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SSI	Water	Surface Water	41D-93-11X			x	Х	X	x				х			-	1	1	1
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SSI	Water	Groundwater	41M-92-01X		4	X	Х	х	Х	Х					х				
SSI	Water	Groundwater	41M-93-02A		3	x	x	x	x	X					х	х	1		
SSI	Water	Groundwater	41M-93-02A		4	x	X	x	x	x					х	х		1	
SSI	· Water	Groundwater	41M-93-02B		3	x	х	x	x	x					x	x	1		
SSI	Water	Groundwater	41M-93-02B		4	х	х	x	X	х					x	x			
SSI	Soil	Soil	41M-93-02B	2-4		х	х	x	X						х		1		İ
SSI	Soil	Soil	41M-93-02B	4-6		х	Х	x	X						X				
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SSI	Water	Groundwater	41M-93-03X		3	X	X	x	X	Х					Х	X			ŀ
SSI	Water	Groundwater	41M-93-03X		4	X	X	x	X	х					X	х			
SSI	Soil	Soil	41M-93-03X	45-47		X	X	x	X					Х	X				
SSI	Water	Groundwater	41M-93-04X		3	X	X	x	X	X					Х	X			
SSI	Water	Groundwater	41M-93-04X		4	X	X	x	X	X					X	x			
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RI RI	Water	S_Auger	SA4102 SA4103	37-42											Ì		x	x	
RI RI	Water	S_Auger	SA4104	37-42													x	x	
RI RI	Water	S Auger	SA4105	40-45													x	x	
RI	Water	S Auger	SA4106	39-44											ł		Î	x	
RI	Water	S_Auger	SA4107	35-40											1		x	l â	
RI	Water	S Auger	SA4108	19-24													l x	x	
RI	Water	S_Auger	SA4109	26-31													x	x	
RI	Water	S_Auger	SA4110	19-24													x	x	
RI	Water	S_Auger	SA4111	36-41													X	X	
RI	Water	S Auger	SA4112	38-43													X	X	

Table 36 SUMMARY OF ANALYTICAL PROGRAM **AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A) PARAMETERS OFF-SITE LABORATORY- PAL ANALYSES** FIELD ANALYTICAL T P H N N d T T A Q C V P 0 t C O i P TU T ETC 1 FIELD X S S 0 R s 0 0 L H E A E 0 1 **EVENT MATRIX MEDIUM EXPLORATION ID DEPTH** ROUND C P RI Water SA4113 S Auger 40-45 X RI Water S Auger **SA4114** 44-49 X X RI Water S_Auger **SA4115** 25-30 X X RI Water S Auger **SA4116** 40-45 X X RI Water S Auger **SA4117** 45-50 X X RI Water S_Auger **SA4118** 24-29 X X RI Water **SA4119** S Auger 45-50 X X RI Water S Auger **SA4120** 38-43 X X RI Water SA4121 19-24 S Auger X X RI Water S_Auger **SA4122** 13-18 X X RI Water S Auger **SA4123** 50-55 X X RI Water **SA4123** S Auger 55-60 X X RI Water S_Auger **SA4123** 60-65 X X RI Water **SA4123** S_Auger 65-70 X X RI Water S_Auger SA4123 70-75 X X X RI Soil 41E-94-01X Soil 2 X X X X X X X X X RI Soil 41E-94-01X X Soil X X X X X X X X RI Soil Soil 41E-94-01X 10 X X X X X X X X X RI Soil Soil 41E-94-02X X X X X X X X X X RI Soil Soil 41E-94-02X X X X X X X X X X RI Soil Soil 41E-94-03X 2 X X X X X X X X X RI X X Soil Soil 41E-94-03X 11 X X X X Х X X RI Soil Soil 41E-94-04X X X X X X X X X X RI Soil Soil 41E-94-04X X X X X X X 3 Х X X RI Soil Soil 41E-94-05X X X X X X X 3 X X X RI Soil Soil 41E-94-05X X X X X X X X X RI Soil Soil 41E-94-05X 10 X X X X X X X RI X Soil Soil 41E-94-06X 3 X X X X

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RI	Water	Groundwater	41M-93-05X		5	x	x	1	x	х			х	1		х	1		
RI	Water	Groundwater	41M-93-05X		6	X	X		х	х	l	1	х			X			
RI	Water	Groundwater	41M-94-03B		5	х	X	1	х	х			х	1		X		1	
RI	Water	Groundwater	41M-94-03B		6	X	X	1	x	x			х			x	1		
RI	Water	Groundwater	41M-94-06X		5	X	X	1	х	X		1	Х			X			
RI	Water	Groundwater	41M-94-06X		6	Х	X	1	X	х	1		X	1		X	1		1
RI	. Water	Groundwater	41M-94-07X		5	Х	X		x	X	I		Х	1		x			1
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RI	Water	Groundwater	41M-94-09A	1	6	X	X		X	X			X			X			
RI	Water	Groundwater	41M-94-09B		5	X	X		X	X			X			X	1		
RI Di	Water	Groundwater	41M-94-09B	j	6	X	X		X	X	1		X	l		X			
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RI	Soil	T_Probe	TS-04	23-25			;						1					X•	
RI	Soil	T_Probe	TS-04	30-32	,		İ	ij			1	}	ł			1	1	X•	
RI	Soil	T_Probe	TS-04	35-37				ii			ł						1	X•	
RI	Soil	T_Probe	TS-05	30-32	ł	1		! !			1		1		1		ſ	X*	
RI	Soil	T_Probe	TS-05	-2	L	L		Ll			<u> </u>			\mathbf{I}_{-}			1.	X*	

					Table 36	-		_											
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<u> </u>			AOC -	41 - UNAUTI	ORIZED DU	MPIN	ig Ai	REA	(SITE A	<u>) </u>									
l						<u> </u>							ARAMETE						
A						<u> </u>		0	FF-SITE	LABOR	OTAL	RY- P	AL ANAL	YSES			FIE	LD AN	ALYTICAL
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EVENT	MATRIX	MEDIUM	EXPLORATION ID	DEPTH	ROUND	0	0	14	Ro	R s	L	H	E A R L	O C	X	SA	E	OR	I D
RI	Soil	T Probe	TS-06	-2		+		H			 			+	-	7	4-	X*	
RI	Soil	T_Probe	TS-06	-2														x•	
RI	Soil	T Probe	TS-07	-2		l		П	İ								1	x•	1
RI	Soil	T_Probe	TS-07	-2				ĮΙ	Į.	[ļ		(Į ļ			Į.	х•	į
RI	Soil	T_Probe	TS-10	-2							İ	l		1				X*	}
RI	Soil	T_Probe	TS-10	-2											li			X*	
RI	Soil	T_Probe	TS-11	-2	1		1	Ш		l			ĺ				1	X*	
RI -	Soil	T_Probe	TS-11	-2		l		Ш			Ì						1	X*	
RI	Soil	T_Probe	TS-12	-2			l	l	ļ	ļ	ł		ļ	i I	l (ļ	X*	
RI	Soil	T_Probe	TS-12	-2											l	1	ŀ	X*	
RI	Soil	T_Probe	TS-14	-2	ł		l	П	•	l				1			1	X*	
RI	Soil	T_Probe	TS-14	-2		l		l		1	l		ŀ	1		lf	1	X*	ļ
RI	Soil	T_Probe	TS-15	-2		l			ļ				ł					X*	
RI	Soil	T_Probe	TS-15	-2				H	l	,	,		1	ļ			1	X*	ł
RI	Soil	T_Probe	TS-16	-2		l	l			ŀ							1	X•	
RI	Soil	T_Probe	TS-16	-2		1					ŀ							X*	ŀ
RI	Soil	S.Boring	41M-94-03B	-2		1		1									X	X	
RI	Soil	S.Boring	41M-94-03B	-2]							X	X	
RI RI	Soil	S.Boring	41M-94-03B	-2	ł				l	}			l	 			X	X	
RI RI	Soil	S.Boring	41M-94-03B	-2	ŀ	1											X	X	
RI RI	Soil Soil	S.Boring	41M-94-03B 41M-94-03B	-2 -2							1		1				X	X	
RI RI	Soil	S.Boring S.Boring	41M-94-03B	-2				1 1	1						li		X	X	
RI RI	Soil	S.Boring	41M-94-03B	-2				1		Ì			l				X	X X	
RI	Soil	S.Boring	41M-94-03B	-2	(1	{	ļ				ļ				x	X	ļ
RI	Soil	S.Boring	41M-94-03B	-2	1												x	x	
RI	Soil	S.Boring	41M-94-03B	-2									Ì				x	x	
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RI	Soil	S.Boring	41M-94-03B	-2									l		,		Ιŝ	l â	

		,			Table 36			=											
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 	,	,	AOC -	41 - UNAUTH	ORIZED DU	MPI	IG A	<u>rea</u>	(SITE	<u>()</u>									
]		<u> </u>						P.	ARAMETE	RS					
				i				O	T-SITE	LABOR	LATO	RY- P	AL ANAL	YSES	3		FIE	LD AN	ALYTICAL
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1						l	S		N	Nd	T	T	A Q	l			B	H	С
FIELD				! .		V	V	P	Ο ι	Oi	C	P	TU	T			T	L	1
EVENT	MATRIX	MEDIUM	EVELOR ATION IN		BOIND	0	0	[/	Ro	R s	L	H	EA	0		S /	E	0	I
			EXPLORATION ID	DEPTH	ROUND	10	_4_	11	1		P	ᄕ	R L	C	L	SIA	LX_	R	R
RI	Soil	S.Boring	41M-94-07X	-2						i				X					
RI	Soil	S.Boring	41M-94-08A	-2		1		1 1		l				X)	
RI I	Soil	S.Boring	41M-94-08B	-2		ļ !		1 1		1			1	x I	1 1	-	ł		
RI	Soil	S.Boring	41M-94-09A	-2		L				l	[x					
RI	Soil	S.Boring	41M-94-09B	-2		Į i				l				x					
RI	Soil	S.Boring	41M-94-10X	-2				П		ľ				x					
RI	Soil	S.Boring	41M-94-11X	-2						1				x					
RI.	Soil	S.Boring	41M-94-12X	-2				l						x		-			
RI	Soil	S.Boring	41M-94-13X	-1				П		l				x	ll	-	ŀ		
RI	Soil	S.Boring	41M-94-14X	-2				\sqcup						X		\bot			

Source: ABB Environmental Services, Inc. 1996

Notes:

VOA = Volatile Organic Analysis

SVOA = SemiVolatile Organic Analysis

P/P = Pesticide/PCBs

Inorg. = Inorganics

TOC = Total Organic Carbon

EX = Explosives

TSS = Total Suspended Solids

TDS = Total Dissolved Solids

TPHC=Total Petrolium Hydrocarbons

WATER QUAL=Sulfate, Alkalinity, Phosphate, Nitrite as Nitrogen, Total Kjeldhal Nitrogen

BTEX = Benzene, Toluene, ethylbenzene, M/P/O-Xylenes

CHLOR=Chlorinated VOCs

TCLP = Toxicity Characteristics Leachate Procedure

TPHC/IR=Total Petrolium Hydrocarbons by Infared Spectrophotometry

X*=The chlorinated VOCs t-1,2-DCA, c-1,2-DCA, TCE only

			Tab	le 37			
	SOIL	GAS FI	ELD AN	ALYTI(CAL RES	ULTS	
AO	C 41 - U	NAUTH	ORIZED	DUMP	ING ARE	A (SITE	<u>A)</u>
							$\neg \Gamma$

		AOC 41 - UNA	UTHORIZEI	DUMPING A	AREA (SITE	<u>A)</u>	
Location ID	Sample Depth	RL (ppb)	t-1,2-DCE (ppb)	c-1,2-DCE (ppb)	TCE (ppb)	Date Analyzed	Comments
TS-01	5	1	<1.0	<1.0	3.9	03/30/95	Soil Vapor
TS-01	7	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-01	9	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-01	11	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-01	13	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-01	19	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-02	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-03	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-04	5	1	<1.0	<1.0	3.6	03/30/95	Soil Vapor
TS-04	10	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-04	15	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-04	20	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-05	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-06	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-07	5	1	<1.0	<1.0	<1.0.	03/30/95	Soil Vapor
TS-08	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-09	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-10	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-11	5_	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-12	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-13	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-13	5	1	<1.0	<1.0	<1.0	03/31/95	Soil Vapor

Source: ABB Environmental Services, Inc. 1996

Note:

All samples analyzed with a dilution factor of one.

Volatiles analyzed by Modified USEPA Method 8015, Solids Extraction Direct Injection (PID).

RL = Reporting limit.

ppb = parts per billion.

A O C A4 VIN A VIN
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	·	AOC 41 - UNA	UTHORIZED	DUMPING A	REA (SITE A	()	
Location ID	Sample Depth	RL (ppb)	t-1,2-DCE (ppb)	c-1,2-DCE (ppb)	TCE (ppb)	Date Analyzed	Comments
TS-01	18	1	<1.4	<1.4	<1.4	04/03/95	Soil
TS-01	23	1	<1.3	<1.3	<1.3	04/03/95	Soil
TS-01	30	1	<1.3	<1.3	51	03/30/95	Soil
TS-01	35	1	<1.3	<1.3	67	03/30/95	Soil
TS-02	30	1	<1.2	<1.2	6.4	03/31/95	Soil
TS-02	35	ı	<1.2	<1.2	1.7	03/31/95	Soil
TS-03	30	1	2.2	<1.3	1.4	04/04/95	Soil
TS-03	35	1	<1.3	<1.3	<1.3	04/04/95	Soil
TS-04	18	1	<1.4	<1.4	<1.4	04/03/95	Soil
TS-04	23	1	<1.2	<1.2	<1.2	04/03/95	Soil
TS-04	30	1	<1.3	<1.3	180	03/30/95	Soil
TS-04	35	1	<1.3	<1.3	64	03/30/95	Soil
TS-05	30	1	2.2	<1.2	49	03/31/95	Soil
TS-05	35	1	<1.2	<1.2	23	03/31/95	Soil
TS-06	30	1	<1.4	<1.4	<1.4	03/31/95	Soil
TS-06	35	1	<1.2	<1.2	<1.2	03/31/95	Soil
TS-07	30	1	<1.0	<1.0	<1.0	03/31/95	Soil
TS-07	35	1	<1.2	<1.2	23	03/31/95	Soil
TS-10	30	1	<1.3	<1.3	<1.3	04/04/95	Soil
TS-10	35	1	<1.3	<1.3	<1.3	04/04/95	Soil
TS-11	30	1	<1.4	<1.4	<1.4	04/04/95	Soil
TS-11	35	1	4.3	<1.6	4.2	04/04/95	Soil
TS-12	30	1	2.6	<1.3	22	03/31/95	Soil
TS-12	35	1	<1.2	<1.2	78	03/31/95	Soil
TS-14	30	1	<1.4	<1.4	<1.4	04/03/95	Soil
TS-14	35	1	<1.2	<1.2	7.5	04/03/95	Soil
TS-15	30	1	9.1	<1.2	110	04/03/95	Soil
TS-15	35	1	3.4	<13	77	04/03/95	Soil

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			BE SOIL FIEI AUTHORIZEI			_ _	
Location ID	Sample Depth	RL (ppb)	t-1,2-DCE (ppb)	e-1,2-DCE (ppb)	TCE (ppb)	Date Analyzed	Comments
TS-16	30	1	4.5	<1.3	34	04/04/95	Soil
TS-16	30	1	1.5	<1.0	46	04/04/95	Soil

Source: ABB Environmental Services, Inc. 1996

Note:

All samples analyzed with a dilution factor of one.

Volatiles analyzed by Modified USEPA Method 8015, Solids Extraction Direct Injection (PID).

RL = Reporting limit.

ppb = parts per billion.

TEST PIT SAMPLE FIELD ANALTYCAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	T**	T		T	I	T DO DOME	I HIG MAIL	CA (SITE	<u> </u>			
Analyte (µg/L)	41E-94-01X 02FT TP40102F	41E-94-01X 04 FT TP40104F	41E-94-01X 10 FT TP40110F	41E-94-02X 02 FT TP40202F	41E-94-02X 09 FT TP40209F	41E-94-03X 02 FT TP40302F	41E-94-03X 11 FT TP40311F	41E-94-04X 1 FT TP40401F	41E-94-04X 3 FT TP40403F	41E-94-05X 3 FT TP40503F	41E-94-05X 5 FT TP40505F	41E-94-05X 10 FT TP40510F
Vinyl chloride	<4.4	<4.8	<5.4	<4.4	< 5.6	<5.1	<5.7	< 6.1	<4.3	<4.9	<4.2	<5.0
t-1,2-DCE	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
e-1,2-DCE	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Benzene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Trichloroethene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Toluene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Tetrachloroethene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Ethybenzene	<2.2	<2.4	<2.7	<2.2	<2.8	< 2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
m/p-xylene	<4.4	<4.8	<5.4	<4.4	<5.6	<5.1	<5.7	< 6.1	<4.3	<4.9	<4.2	< 5.0
o-xylene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
1,1,2,2-TCA	<4.4	<4.8	<5.4	<4.4	< 5.6	< 5.1	<5.7	< 6.1	<4.3	<4.9	<4.2	< 5.0
1,2-dichlorobenzene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5

SOIL BORING FIELD ANALTYCAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	41M94-03B 02 FT SB40302F	41M-94-03B 7 FT SB40307F	41M-94-03B 12 FT SB40312F	41M-94-03B 17 FT SB40317F	41M-94-03B 22 FT SB40322F	41M-94-03B 27 FT SB40327F	41M-94-03B 32 FT SB40332F
Vinyl chloride	<4.2	<4.1	<4.3	< 5.6	<69.2	<5.0	<5.2
t-1,2-DCE	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
c-1,2-DCE	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
Benzene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
Trichloroethene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	4.6
Toluene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
Tetrachloroethene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
Ethybenzene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
m/p-xylene	<4.2	<4.1	<4.3	<5.6	<69.2	<5.0	<5.2
o-xylene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
1,1,2,2-TCA	<4.2	<4.1	<4.3	<5.6	<69.2	<5.0	<5.2
1,2-dichlorobenzene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6

Table 40 (continued)

SOIL BORING FIELD ANALTYCAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	<u> </u>	AUC 41 - UN	AUTHORIZED DU	MPING AREA (S	ITE A)		· · · · · · · · · · · · · · · · · · ·
Analyte (μg/L)	41M-94-03B 37 FT SB40337F	41M-94-03B 42 FT SB40324F	41M94-03B 47 FT SB40347F	41M-94-03B 52 FT SB40352F	41M-94-03B 57 FT SB40357F	41M-94-03B 62 FT SB40362F	41M-94-03B 67 FT SB40367F
Vinyl chloride	<5.0	<5.1	<5.4	<5.1	<5.0	<5.1	<5.1
t-1,2-DCE	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
c-1,2-DCE	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
Benzene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
Trichloroethene	5.3	8.6	<2.7	<2.5	<2.5	<2.6	<2.6
Toluene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
Tetrachloroethene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
Ethybenzene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
m/p-xylene	<5.0	<5.1	<5.4	<5.1	<5.0	<5.1	<5.1
o-xylene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
1,1,2,2-TCA	<5.0	<5.1	<5.4	<5.1	<5.0	<5.1	<5.1
1,2-dichlorobenzene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6

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SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS

						G AREA (SITE A)		AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)									
SITE ID:	FORT DEVENS	41E-94-01X	41E-94-01X	41E-94-01X	41E-94-01X	41E-94-01X	41E-94-01X	41E-94-02X									
DEPTH:	BACKGROUND	2 ft	2 R	4 R	4 R	10 R	10 ft	2 R									
Field Sample Number:	CONCENTRATIONS	EX410101	EX410101	EX410103	EX410103	EX410109	EX410109	EX410201									
Aluminum	18000	6690	NA	3910	NA	19300	NA	NA									
Arsenic	19	8.83	<2.54 1	5.24	<2.54 1	13.5	<2.54 1	<2.54 I									
Barium	54	7.94	245	11.4	302	70.3	542	277									
Beryllium	0.81	<.5	NA	<.5	NA	0.943	NA	NA									
Calcium	810	259	NA		NA	552	NA	NA									
Chromium	33	8.43	<6.02	5.88	<6.02	28.8	<6.02	<6.02									
Cobalt	4.7	3.07	NA	2.31	NA	10.4	NA	N.A									
Copper	13.5	6.9	NA	5.81	NA	19	NA	N.A									
lron	18000	7990	NA	5840	NA	23500	NA NA	NA									
lend	48	4.2	<18.6	2.88	<18.6	12.1	<18.6	<18.6									
Magnesium	5500	1390	NA	1250	NA	5630	NA	NA									
Manganese	380	81.1	NA	104	NA	412	NA.	NA									
Nickel	14.6	9.03	NA	6.19	NA	26.6	NA	NA									
Potassium	2400	351	NA	555	NA	2830	NA	NA									
Sodium	234	314	NA	300	NA	513	NA	NA									
Vanadium 	32.3	7.8	NA	6.5	NA	29.2	NA	NA									
Zinc	43.9	17.4	NA	14.7	NA.	56.2	NA	NA									
PAL SEMIVOLATILE ORGANICS	(µg/g)																
Acenaphthylene	4	<.033	NA	<.033	NA	<.033	NA	NA									
Benzo b Fluoranthene		<.21	NA	<.21	NA	<.21	NA	NA									
Benzo[k]Fluoranthene		<.066	NA	<.066	NA	<.066	NA	NA									
*Bis (2-ethylhexyl) Phthalate		<.62	NA	<.62	NA	<.62	NA	NA									
Chrysene *Di-n-butvi Phthalate	i i	<.12	NA	<.12	NA	<.12	NA	NA									
Fluoranthene	j	<.061	NA	<.061	NA	<.061	NA	NA									
Phenanthrene		<.068	NA	<.068	NA	<.068	NA	NA									
		<.033	NA	<.033	NA	<.033	NA	NA									
Pyrene PAL VOLATILE ORGANICS (µg/g		<.033	NA	<.033	NA.	<.033	NA NA	NA									
1,1,2,2-tetrachloroethane	,	7 888 71															
Acetone		<.0024	NA	<.0024	NA	<.0024	NA	NA									
1 1	1	<.017	NA		NA	<.017		NA									
*Methylene Chloride Toluene	j	<.012	NA	<.012	NA	<.012	NA	NA									
1 Olucne * Trichlorofluoromethane		<.00078	NA	<.00078	NA	<.00078	NA	NA									
		0.016*	NA	0.017*	NA	0.0084*	. NA	NA									
OTHER (µg/g)																	
Total Organic Carbon Total Petroleum Hydrocarbons		2870	NA	1110	NA	3730	NA	NA NA									
Total Lettoicmit Hancel Dolls		<28.2	NA	<28.1	NA	<28.1	NA NA	NA NA									

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

				AOC 41 - UNAUT	HORIZED DUMPIN	G AREA (SITE A)		
SITE ID:	FORT DEVENS	41E-94-02X	41E-94-02X	41E-94-02X	41E-94-03X	41E-94-03X	41E-94-03X	41E-94-04X
DEPTH:	BACKGROUND	2 ft	9 R	9 R	2 ft	11 N	11 R	1 ft
Field Sample Number:	CONCENTRATIONS	EX410201	EX410209	EX410209	EX410301	EX410310	EX410310	EX410400
Aluminum	18000	2360	8430	NA	31400	NA	28600	8240
Arsenic	19	4.68	15	5.12 I	12.9	2.54 I	17	6.41
Barium	54	<5.18	30.7	347	92.2	506	132	20.1
Beryllium	0.81	<.5	<.5	NA	1.76	NA	1.68	0.777
Calcium	810	318	1930	NA	459	NA	2010	305
Chromium	33	<4.05	18.1	<6.02	35.4	<6.02	48.3	8.19
Cobalt	4.7	1.96	6.5	NA	9.33	NA	22.9	8.24
Copper	. 13.5	5.24	14.5	NA	20.4	NA	25.4	8.3
Iron	18000	3770	15100	NA	30400	NA.	35300	37700
Lead	48	2.09	6.5	<18.6	11	<18.6	11.3	11.1
Magnesium	5500	633	3490	NA	6640	NA	8720	1000
Manganese	380	70.3	276	NA	280	NA	625	335
Nickel	14.6	4.97	19.5	NA	25.7	NA.	38.8	7.05
Potassium	2400	338	1300	NA	4410	NA.	6670	372
Sodium	234	344	505	NA	532	NA	691	446
Vanadium	32.3	<3.39	15	NA	48.4	NA	56.5	11.9
Zine	43.9	<8.03	34.9	NA	65.9	NA.	90.8	21.5
PAL SEMIVOLATILE ORGANICS	(hg/g)							
Acenaphthylene		<.033	<.033	NA NA	<.033	NA	<.033	<.033
Benzo[b]Fluoranthene		<.21	<.21	NA	<.21	NA.	<.21	<.21
Benzo[k]Fluoranthene		<.066	<.066	NA	<.066	NA	<.066	<.066
*Bis (2-ethylhexyl) Phthalate		<.62	<.62	NA	<.62	NA	<.62	<.62
Chrysene	i	<.12	<.12	NA	<.12	NA	<.12	<12
*Di-n-butyl Phthalate		<.061	<.061	NA	<.061	NA	<.061	<.061
Fluoranthene		<.068	<.068	NA	<.068	NA	<.068	0.48
Phenanthrene		<.033	<.033	NA	<.033	NA	<.033	0.36
Pyrene		<.033	<.033	NA	<.033	NA	<.033	0.44
PAL VOLATILE ORGANICS (µg/g	0							
1,1,2,2-tetrachloroethane	·	<.0024	<.0024	NA	<.0024	NA	<.0024	<.0024
*Acetone		<.017	<.017	NA	<.017	NA.	<.017	<.017
*Methylene Chloride		<.012	<.012	NA	<.012	NA	<.012	<.012
Toluene	ļ	<.00078	<.00078	NA	<.00078	NA	.0012*	<.00078
Trichlorofluoromethane	<u> </u>	0.0059	0.011	NA	0.0059*	NA	0.013 B*	<.0059
OTHER (µg/g)								
Total Organic Carbon		1330	1970	NA	3720	NA	3020	11600
Total Petroleum Hydrocarbons		<28.5	<28.3	NA	<28.1	NA	<28.3	47.9

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID:	FORT DEVENS	41E-94-04X	41E-94-04X	41E-94-04X	41E-94-04X	41E-94-05X	41E-94-05X	41E-94-05X
DEPTH:	BACKGROUND	18	18	3 ft	3 n	3 ft	3 ft	3 ft
Field Sample Number:	CONCENTRATIONS	EX410400	ED410400	EX410402	EX410402	EX410502	ED410402	EX410502
Aluminum	18000	NA	NA	4410	NA	3400	4190 D	NA
Arsenic	19	2.54 I	< 2.45	6.33	< 2.45	5.5	5 D	< 2.45
Barlum	54	260	285 D	7.88	277	14.4	12.1 D	252
Beryttium	0.81	NA	NA	<.5	NA	<.5	<.5 D	N.A
Calcium	810	NA	NA	263	NA	204	370 D	N.A
Chromium	33	<6.02	<6.02 D	6	<6.02	5.05	<4.05 D	<6.02
Cobalt	4.7	NA	NA	2.25	NA	<1.42	1.69 D	NA NA
Copper	13.5	NA	NA	5.87	NA	8.9	6.31 D	NA NA
Iron	18000	NA	NA	6750	NA	4710	4730 D	NA NA
Lead	48	<18.6	<18.6 D	1.81	<18.6	43	18 D	45.9
Magnesium	5500	NA	NA	1160	NA	616	_	NA NA
Manganese	380	NA	NA	86	NA	75.3	90 D	NA NA
Nickel	· 14.6	NA	NA	6.49	NA	3.93	4.16 D	NA NA
Potassium ·	2400	NA	NA	372	NA	380	477 D	NA NA
Sodium	234	NA	NA	326	NA	344	310 D	
Vanadium	32.3	NA	NA	6.56	NA	1.17	9.24 D	
Zinc	43.9	NA	NA	13.8	NA	95.8	40.4 D	NA NA
PAL SEMIVOLATILE ORGANICS	S (µg/g)							
Acenaphthylene		<.033 D	NA	<.033	NA	0.048	<.033 D	NA.
Benzo[b]Fluoranthene		<.21 D	NA	<.21	NA	0.3	<.21 D	NA NA
Benzo[k]Fluoranthene		<.066 D	na	<.066	NA	0.2	.12 D	
^e Bis (2-ethylhexyl) Phthalate]	<.62 D	NA	<.62	NA	<.62	<.62 D	
Chrysene		<.12 D	NA	<.12	NA	0.24	.16 D	NA
*Di-n-butyi Phthalate		<.061 D	NA	<.061	NA	<.061	<.061 D	NA
Fluoranthene		0.38 D	NA	<.068	NA	0.26	.19 D	NA
Phenanthrene		0.17 D	NA	<.033	NA	0.066	_	NA
Pyrene	<u> </u>	0.37 D	NA	<.033	NA	0.28	.16 D	NA.
PAL VOLATILE ORGANICS (#g/								
1,1,2,2-tetrachloroethane		<.0024 D	NA	<.0024	NA	<.0024	.065 D	NA.
Acetone		<.017 D	NA	<.017	NA	<.017	.1 D	NA
Methylene Chloride		<.012 D	NA	<.012	NA	<.012	.052 D	NA
Toluene ·		<.00078 D	NA	<.00078	NA	0.0017*	.023 D*	NA
*Trichlorofluoromethane		<.0059 D	NA	<.0059	NA	<.0059	.02 D	NA NA
OTHER (µg/g)								
Total Organic Carbon		12300 D	NA	1980	NA	5400		
Total Petroleum Hydrocarbons	l	<28.5 D	NA	<21.1	NA.	1450	53.8 D	NA

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS

					DUMPING AREA (SITE A)		
SITE ID:	FORT DEVENS	41E-94-05X	41E-94-05X	41E-94-05X	41E-94-05X	41E-94-05X	41E-94-05X	41E-94-05X
DEPTH:	BACKGROUND	3 f t	5 ft	5 R	5 n	5 ft	10 ft	10 R
Field Sample Number:	CONCENTRATIONS	ED410502	EX410504	ED410504	EX410504	ED410504	EX410509	EX410509
Aluminum	18000	NA	2540	2650 D	NA	NA	2140	NA
Arsenic	19	< 2.45	3.8	5.2 D	< 2.45	< 2.45	3.8	< 2.45
Berlum	54	268 D	6.71	7.37 D	319	320 D	<5.18	301
Beryllium	0.81	NA	<.5	<.5 D	NA	NA	<.5	N.A
Calcium	810	NA	165	166 D	NA	NA	203	N.A
Chromium	33	<6.02 D	<4.05	<4.05 D	<6.02	<6.02 D	<4.05	<6.02
Cobalt	4.7	NA	<1.42	1.66 D	NA	NA	<1.42	NA
Соррег	13.5	NA	3.91	3.52 D	NA.	NA	3.47	NA.
Iron	18000	NA	3870	3930 D	NA	NA	3890	NA NA
Lead	48	35.2 D	2.14	1.96 D	<18.6	35.2 D	3.37	<18.6
Magnesium	5500	NA	875	771 D	NA	NA	757	NA
Manganese	380	NA	62.5	67.9 D	NA	NA	58.9	NA NA
Nickel	14.6	NA	4.64	4.3 D	NA	NA	3.1	NA NA
Potassium	2400	NA	463	529 D	NA.	NA	501	NA.
Sodium	234	NA.	305	372 D	NA	NA	356	NA NA
Vanadium	32.3	NA	3.96	4.63 D	NA	NA	4.5	NA NA
Zine	43.9	NA	15.3	13.7 D	NA	NA	<8.03	N/
PAL SEMIVOLATILE ORGANICS	(µg/g)							
Acenaphthylene		NA	<.033	<.033 D	NA	NA	<.033	NA.
Benzo[b]Fluoranthene		NA	<.21	<.21 D	NA	NA	<.21	NA
Benzo[k]Fluoranthene		NA	<.066	<.066 D	NA	NA	<.066	NA NA
*Bis (2-ethylhexyl) Phthalate		NA	<.62	<.62 D	NA	NA	<.62	NA NA
Chrysene	İ	NA	<.12	<.12 D	NA	NA	<.12	NA NA
*Di-n-butyl Phthalate	·	NA	<.061	<.061 D	NA	NA	<.061	NA NA
Fluoranthene		NA	<.068	<.068 D	NA	NA	<.068	NA NA
Phenanthrene		NA	<.033	<.033 D	NA	NA	<.033	NA NA
Pyrene		NA	<.033	<.033 D	NA	NA	<.033	NA NA
PAL VOLATILE ORGANICS (119/2)							
1,1,2,2-tetrachloroethane		NA	<.0024	<.0024 D	· NA	NA	<.0024	NA.
*Acetone		NA	<.017	<.017 D	NA	NA	<.017	NA NA
*Methylene Chloride		NA	<.012	<.012 D	NA	NA	<.012	NA
Toluene .		NA	<.00078	<.00078 D	NA	NA	<.00078	N.A
*Trichlorofluoromethane	l	NA	<.0059	<.0059 D	NA	NA	<.0059	NA
OTHER (µg/g)			· · · · · · · · · · · · · · · · · · ·		·			
Total Organic Carbon	ľ	NA	697	613 D	NA	NA	1000	NA NA
Total Petroleum Hydrocarbons		NA	<28.5	<28.5 D	NA	NA	<28.3	NA

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS

	·			AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)					
SITE ID:	FORT DEVENS	41E-94-06X	41E-94-06X	41E-94-07X	41E-94-07X	41E-94-08X	41E-94-08X	41E-94-08X	
DEPTH:	BACKGROUND	3 ft	9 ft	4 ft	10 R	4 ft	10 ft	12 ft	
Field Sample Number:	CONCENTRATIONS	EX410603	EX410610	EX410704	EX410710	EX410804	EX410810	EX410812	
Aluminum	18000	2530	2620	2450	2260	2370	2460	3050	
Arsenic	19	3.96	3.57	3.97	3.69	3.15	6.34	4.28	
Barium	54	10.8	9.48	7.22	8.82	6.94	8.08	11.5	
Beryllium	0.81	<.5	<.5	<.5	<.5	<.5	<.5	<.5	
Calcium	8 10	298	374	292	278	149	436	276	
Chromium	33	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05	6.44	
Cobalt	4.7	1.9	1.84	<1.42	1.79	<1.42	<1.42	2.02	
Copper	13.5	3.32	2.84	2.67	3.86	2.83	3.1	3.41	
iron	18000	4470	4440	4270	3950	4810	. 4550	4540	
Lead	48	2.2	1.96	1.99	1.92	3.28	2.64	2.6	
Magnesium	5500	719	890	790	802	707		1150	
Manganese	380	158	63.5	61.2	61.3	65.7	67.7	61.3	
Nickel	14.6	4.52	3.84	4.26	3.84	2.89	2.4	4.49	
Potassium	2400	422	517	432	523	492	478	664	
Sodium	234	<100	<100	<100	369	<100	128	<100	
Vanadium	32.3	4.29	4.74	3.99	4.55	4.19	4.65	5.61	
Zinc	43.9	10.1	10.8	10.3	11	9.67	10.6	10.9	
PAL SEMIVOLATILE ORGANICS	(µg/g)							·····	
Acenaphthylene	•	<.033	<.033	<.033	<.033	<.033	<.033	<.033	
Benzo[b]Fluoranthene		<.21	<.21	<.21	<.21		<.21	<21	
Benzo[k] Fluoranthene		<.066	<.066	<.066	<.066			<.066	
*Bis (2-ethylhexyl) Phthalate		<.62	<.62	<.62	1.3	<.62		<.62	
Chrysene		<.12	<.12	<.12	<.12		<.12	<.12	
*Di-n-butyl Phthalate		<.061	<.061	<.061	<.061	<.061	<.061	<.061	
Fluoranthene		<.068	<.068	<.068	<.068	<.068	<.068	<.068	
Phenanthrene		<.033	<.033	<.033	<.033	<.033		<.033	
Pyrene		<.033	<.033	<.033	<.033	<.033	<.033	<.033	
PAL VOLATILE ORGANICS (14/2)								
1,1,2,2-tetrachloroethane		<.0024	<.0024	<.0024	<.0024	<.0024	<.0024	<.0024	
*Acetone		<.017	<.017	<.017	<.017	<.017	<.017	<.017	
*Methylene Chioride		<.012	<.012	<.012	<.012	<.012	<.012	<.012	
Toluene		<.00078	<.00078	<.00078	<.00078	<.00078		<.00078	
*Trichlorofiuoromethane		<.0059	<.0059	<.0059	<.0059	<.0059	<.0059	<.0059	
OTHER (µg/g)									
Total Organic Carbon		2170	2660	703	1200	738	780	668	
Total Petroleum Hydrocarbons		<28	<28	<27.8	<27.8	<27.8	<28	<27.8	
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Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

					HORIZED DUMPIN			
SITE ID:	FORT DEVENS	41E-94-09X	41E-94-09X	41E-94-09X	41M-92-01X	41M-93-02B	41M-93-02B	41M-93-02B
DEPTH:	BACKGROUND	4 ft	9 ft	9 R	26-28 R	2-4 ft	4-6 R	30-32 R
Fleid Sample Number:	CONCENTRATIONS	EX410904	EX410910	ED410910	BX410126	BX410204	BX410206	BX410232
Aluminum	18000	3040	2950	2880 D		14200	37600	6290
Arsenic	19	3.76	3.81	3.73 D		. 14	25	24
Bartum	54	10.4	7.54	7.84 D		80.5	224	29.7
Beryllium	0.81	<.5	<.5	<.5 D		<.5	1.95	<0.5
Calcium	810	229	336	299 D	i j	1370	2280	1970
Chromium	33	5.87	<4.05	<4.05 D		24.8	70.3	15.6
Cobalt	4.7	2.26	2.14	1.72 D		9.78	17	7.09
Соррег	13.5	3.57	3.33	3.64 D		16.1	40.4	10.8
Iron	18000	5280	4330	4150 D		24100	50300	11700
Lead	48	2.54	2.33	2.45 D		9.5	22	6.05
Magnesium	5500	1100	879	802 D		5500	12700	2700
Manganese	380	80.3	77.7	60.1 D	•	392	541	384
Nickel	14.6	5.29	4.67	4.27 D		19.5	51.5	16.3
Potassium ,	2400	614	466	473 D		4140	11500	1380
Sodium	234	<100	<100	<100 D		449	669	458
Vanadium	32.3	5.43	4.43	4.27 D		33.9	87.7	12.1
Zinc	43.9	12.3	10.2	9.98 D		66.3	148	28
PAL SEMIVOLATILE ORGANICS	S (µg/g)							
Acenaphthylene		<.033	<.033	<.033 D		<.033	<.033	<.033
Benzo[b]Fluoranthene		<.21	<.21	<.21 D		<.21	<.21	<.21
Benzo[k] Fluoranthene		<.066	<.066	<.066 D		<.066	<.066	<.066
*Bis (2-ethylhexyl) Phthalate		<.62	<.62	<.62 D		<.62	<.62	<.62
Chrysene	1	<.12	<.12	<.12 D		<.12	<.12	<.12
*Di-n-butyl Phthalate		<.061	<.061	<.061 D		<.061	<.061	.62 B
Fluoranthene		<.068	<.068	<.068 D		<.068	<.068	<.068
Phenanthrene		<.033	<.033	<.033 D		<.033	<.033	<.033
Pyrene		<.033	<.033	<.033 D		<.033	<.033	<.033
PAL VOLATILE ORGANICS (#g/	<u>;</u>)			, AF 2 7			_ XXX	- JAKAT
1,1,2,2-tetrachloroethane		<.0024	<.0024	<.0024		<.0024	<.0024	<.0024
*Acetone		<.017	<.017	<.017 D		<.017	<.017	<.017
*Methylene Chloride		<.012	<.012	<.012 D		<.012	<.012	<.012
Toluene		<.00078	<.00078	<.00078		<.00078	<.00078	<.00078
*Trichlorofluoromethane	<u> </u>	<.0059	<.0059	<.0059 D		<.0059	<.0059	<.0059
OTHER (µg/g)				272			47.	476
Total Organic Carbon		764	811	948 D			NA NA	360 NA
Total Petroleum Hydrocarbons		<27.8	<27.8	<28 D	NA NA	NA	NA	NA

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SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

					HORIZED DUMPIN	<u> </u>		
SITE ID:	FORT DEVENS	41M-93-02B	41M-93-03X	41M-93-04X	41M-93-05X	41M-94-02C	41M-94-07X	41M-94-08A
DEPTH:	BACKGROUND	30-32 R	45-47 R	5 N	5 ft	29-31 ft	5-7 ft	24-26 ft
Field Sample Number:	CONCENTRATIONS	BX410232	BX410345	BX410405	BX410505	BX412C29	BX410705	BX418A25
Aluminum	18000	6600 D	4080	NA	NA	NA	NA	NA
Arsenic	19	18 D	13	NA	NA	NA	NA	NA
Barium	54	29.3 D	23.4	NA	NA	NA	NA.	NA
Beryllium	0.81	<.5 D	<.5	NA	NA	NA	NA.	NA
Calcium	810	2080 D	1200	NA	NA	NA	NA	NA
Chromium	33	17.7 D	11.7	NA	NA	NA	NA	NA
Cobalt	4.7	6.44 D	5.28	NA	NA	NA	NA.	NA
Copper	13.5	11.1 D	7.39	NA	NA	NA		NA
iron	18000	12400 D	7900	NA	NA	NA	NA	NA
Lend	48	7.93 D	3.94	NA	NA	NA	NA.	NA NA
Magnesium	5500	2900 D	2050	NA	NA	NA	NA.	NA
Manganese	380	188 D	147	NA	NA	NA	NA	NA
Nickel	14.6	16.9 D	13.1	NA	NA	NA	NA	NA
Potassium ·	2400	1570 D	859	NA	NA	NA		NA
Sodium	234	497 D	388	NA	NA	NA		
Vanadium	32.3	12.4 D	8.28	NA	NA	NA		
Zinc	43.9	34.3 D	22.4	NA	NA	NA	NA	NA
PAL SEMIVOLATILE ORGANICS	(h6/8)				-			
Acenaphthylene		<.033	<.033	NA	NA	NA	NA	
Benzo[b] Fluoranthene		<.21	<.21	NA	NA	NA		
Benzo[k]Fluoranthene		<.066	<.066	NA	NA	NA		
*Bis (2-ethylhexyl) Phthalate		<.62	<.62	NA	NA	NA		
Chrysene		<.12	<.12	NA	NA	NA		
*Di-n-butyl Phthaiate		.30 B	30 B	NA	NA	NA		NA
Fluoranthene		<.068	<.068	NA	NA	NA		NA
Phenanthrene		<.033	<.033	NA	NA	NA		NA
Pyrene		<.033	<.033	NA	NA	NA	NA.	NA
PAL VOLATILE ORGANICS (42/2								
1,1,2,2-tetrachloroethane		<.0024	<.0024	NA	NA	NA NA		
*Acetone		<.017	<.017	NA	NA	NA		
*Methylene Chloride		<.012	<.012	NA	NA	NA		
Toluene		<.00078	<.00078	NA	NA	NA		
*Trichlorofluoromethane		<.0059	<.0059	NA	NA	NA	NA	NA NA
OTHER (µg/g)								
Total Organic Carbon		700	659	643	745	3900		
Total Petroleum Hydrocarbons		NA	NA	NA	NA	NA	, NA	NA

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

			AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)							
SITE ID:	FORT DEVENS	41M-94-08B	41M-94-09A	41M-94-09B	41M-94-10X	41M-94-11X	41M-94-12X	41M-94-13X		
DEPTH:	BACKGROUND	39-41 ft	35-37 ft	40-42 ft	40-42 R	34-36 ft	40-42 R	19-21 R		
Field Sample Number:	CONCENTRATIONS	BX418B40	BX419A35	BX419B40	BX411040	BX411135	BX411240	BX411320		
Aluminum	18000	NA	NA	NA	NA	NA	NA	NA NA		
Arsenic	19	NA	NA	NA	NA	NA	NA	NA		
Barlum	54	NA	NA	NA	NA	NA	NA	NA NA		
Beryllium	0.81	NA	NA	NA	NA	NA	NA	NA NA		
Calcium	810	NA	NA	NA	NA	NA	NA.	NA NA		
Chromium	33	NA	NA	NA	NA	NA	NA	N/		
Cobalt	4.7	· NA	NA	NA	NA	NA	NA	N/		
Copper	13.5	NA	NA	NA	NA	NA	. NA	NA NA		
Iron	18000	NA	NA	NA	NA	NA	NA	NA NA		
Lead	48	NA	NA	NA	NA	NA	NA	N/		
Magnesium	5500	NA	NA	NA	NA	NA	NA	N <i>A</i>		
Manganese	380	NA	NA	NA	NA	NA	NA	N.A		
Nickel	14.6	NA	NA	NA	NA	NA	NA	NA		
Potassium .	2400	NA	NA	NA	NA	NA	NA	NA.		
Sodium	234	NA	NA	NA	NA	NA	NA	NA		
Vanadkum	32.3	NA	NA	NA NA	NA	NA	NA	NA		
Zinc	43.9	NA	NA	NA NA	NA	NA	NA	NA NA		
PAL SEMIVOLATILE ORGANIC	(µg/g)									
Acenaphthylene		NA	NA	NA	NA	NA	NA	NA		
Benzo[b]Fluoranthene		NA	NA	NA	NA	NA	NA	N.A		
Benzo[k]Fluoranthene		NA	. NA	NA	NA	NA	NA	NA		
*Bis (2-ethylhexyl) Phthalate		NA	NA	NA	NA	NA	NA	NA		
Chrysene		NA	NA	NA	NA	NA	NA.	NA NA		
*Di-n-butyl Phthalate		NA	NA	NA	NA	NA	NA	NA		
Fluoranthene		NA	NA	NA	NA	NA	NA	NA		
Phenanthrene		NA	NA	NA	NA	NA	NA	NA		
Pyrene		NA	NA	NA	NA	NA	NA	N.A		
PAL VOLATILE ORGANICS (4g/)									
1,1,2,2-tetrachloroethane		NA	NA	NA	NA	NA	NA	N.A		
*Acetone		NA	NA	NA	NA	NA	NA	NA.		
*Methylene Chloride		NA	NA	NA	NA	NA	NA	NA NA		
Toluene		NA	NA	NA	NA	NA	NA	N.A		
*Trichiorofluoromethane		NA	NA	NA	NA	NA	NA	N/		
OTHER (µg/g)										
Total Organic Carbon		2540	1900	1880	1530	1070	1390	1290		
Total Petroleum Hydrocarbons		NA	NA	NA	NA	NA	, NA	NA NA		

		T.N. 44	
		Table 41	
		SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS	
		AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)	
SITE ID:	FORT DEVENS	41M-94-14X	
DEPTH:	BACKGROUND	4-6 R	
Field Sample Number:	CONCENTRATIONS	BX411404	
Aluminum	18000		NA
Arsenic	19		NA
Berium	54		NA
Beryllium	0.81		NA
Calcium	8 10		NA
Chromium	33		NA
Cobalt	4.7		NA
Copper	13.5		NA
iron	18000		NA
Lead ·	48		NA
Magnesium	5500		NA
Manganese	380		NA
Nickel	14.6		NA
Potassium	2400		NA
Sodhum	234		NA
Vanadium	32.3		NA
Zinc	43.9		NA
PAL SEMIVOLATILE ORGANICS	(#8/g)		
Acenaphthylene	**************************************		NA
Benzo[b]Fluoranthene			NA
Benzo(k)Fluoranthene			NA
*Bis (2-ethylhexyl) Phthalate			NA
Chrysene			NA
*Di-n-butyl Phthalate			NA
Fluoranthene			NA
Phenanthrene			NA
Pyrene			NA
PAL VOLATILE ORGANICS (Mg/)		
1,1,2,2-tetrachloroethane			NA
*Acetone			NA
*Methylene Chloride			NA
Toluene			NA
*Trichloroffuoromethane			NA
OTHER (µg/g)			
Total Organic Carbon			1180
Total Petroleum Hydrocarbons			NA

Table 42

SCREENED AUGER AND EXISTING MONITORING WELL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (#g/L)	41M-92-01X MW401X2W	41M-93-02A MW402AXW	41M-93-02B MW402B2W	41M-93-03X MW40300W	41M-93-04X MW404XXW	41M-93-05X MW405XXW	SA4101 38 FT SA40138W
Vinyl chloride	<4.0	<4.0	<8.0	<100	<4.0	<4.0	<4.0
t-1,2-DCE	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
c-1,2-DCE	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
Benzene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
Trichloroethene	16	28	23	450	<2.0	<2.0	<2.0
Toluene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
Tetrachloroethene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
Ethybenzene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
m/p-xylene	<4.0	<4.0	<8.0	<100	<4.0	<4.0	<4.0
o-xylene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
1,1,2,2-TCA	13	14	<8.0	<100	<4.0	<4.0	<4.0
1,2-dichlorobenzene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0

Table 42 (continued)

SCREENED AUGER AND EXISTING MONITORING WELL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	SA4102 41 FT SA40241W	SA4103 37 FT SA40337W	SA4104 37 FT SA40437W	SA4105 40 FT SA40540W	SA4106 39 FT SA40639W	SA4107 35 FT SA40735W	SA4108 19 FT SA40819W
Vinyl chloride	<40	<4.0	<100	<20	<4.0	<20	<4.0
t-1,2-DCE	<20	<2.0	<50	<10	<2.0	<10	<2.0
c-1,2-DCE	<20	<2.0	<50	<10	<2.0	<10	2.5
Benzene	<20	<2.0	<50	<10	<2.0	<10	<2.0
Trichloroethene	87	30	496	48	6.3	16	37
Toluene	<20	<2.0	<50	<10	<2.0	<10	<2.0
Tetrachloroethene	<20	<2.0	<50	<10	<2.0	<10	<2.0
Ethybenzene	<20	<2.0	<50	<10	<2.0	<10	<2.0
m/p-xylene	<40	<4.0	<100	<20	<4.0	<20	<4.0
o-xylene	<20	<2.0	<50	<10	<2.0	<10	<2.0
1,1,2,2-TCA	<40	<4.0	<100	<20	<4.0	<20	27
1,2-dichlorobenzene	<20	<2.0	<50	<10	<2.0	<10	<2.0

Table 42 (continued)

SCREENED AUGER AND EXISTING MONITORING WELL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	SA4109 26 FT SA40926W	SA4110 19 FT SA41019W	SA4111 36 FT SA41136W	SA4112 38 FT SA41238W	SA4113 40 FT SA41340W	SA4114 44 FT SA41444W	SA4115 25 FT SA41525W
Vinyl chloride	<40	<40	<4.0	<4.0	<4.0	<4.0	<4.0
t-1,2-DCE	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
c-1,2-DCE	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
Benzene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
Trichloroethene	48	54	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
Tetrachioroethene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
Ethybenzene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
m/p-xylene	<40	<40	<4.0	<4.0	<4.0	<4.0	<4.0
o-xylene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,2,2-TCA	<40	43	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-dichlorobenzene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0

Table 42 (continued)

SCREENED AUGER AND EXISTING MONITORING WELL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	7	AUC 41 - UI	NAUTHORIZED DU	MITHING AREA (S	LIE A)		
Analyte (µg/L)	SA4116 40 FT SA41640W	SA4117 45 FT SA41445W	SA4118 24 FT SA41824W	SA4119 45 FT SA41945W	SA4120 38 FFT SA42038W	SA4121 19 FT SA42119W	SA4122 13 FT SA42213W
Vinyl chloride	<4.0	<4.0	<20	<4.0	<4.0	<40	<4.0
t-1,2-DCE	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
c-1,2-DCE	<2.0	<2.0	21	<2.0	<2.0	<20	<2.0
Benzene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
Trichloroethene	<2.0	<2.0	49	<2.0	<2.0	45	<2.0
Toluene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
Tetrachloroethene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
Ethybenzene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
m/p-xylene	<4.0	<4.0	<20	<4.0	<4.0	<40	<4.0
o-xylene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
1,1,2,2-TCA	<4.0	<4.0	32	<4.0	<4.0	<40	<4.0
1,2-dichlorobenzene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0

	Table 42 (continued) SCREENED AUGER AND EXISTING MONITORING WELL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)											
SA4123 SA4123												
Vinyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0							
t-1,2-DCE	<2.0	<2.0	<2.0	<2.0	<2.0							
c-1,2-DCE	<2.0	<2.0	<2.0	<2.0	<2.0							
Benzene	<2.0	<2.0	<2.0	<2.0	<2.0							
Trichloroethene	<2.0	<2.0	<2.0	<2.0	<2.0							
Toluene	<2.0	<2.0	<2.0	<2.0	<2.0							
Tetrachloroethene	<2.0	<2.0	<2.0	<2.0	<2.0							
Ethybenzene	<2.0	<2.0	<2.0	<2.0	<2.0							
m/p-xylene	<4.0	<4.0	<4.0	<4.0	<4.0							
o-xylene	<2.0	<2.0	<2.0	<2.0	<2.0							
1,1,2,2-TCA	<4.0	<4.6	<4.0	<4.0	<4.0							
1,2-dichlorobenzene	<2.0	<2.0	<2.0	<2.0	<2.0							

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	1			ROUND 1			ROL	JND 2	ROU	ND 3	ROU	ND 4
Site ID:		41D-92-03X	41D-92-04X	41D-92-05X	41D-92-94X	41M-92-01X	41M-92-01X	41M-92-01X	41M-92-01X	41 M - 92 - 01X	41M-92-01X	41M-92-01X
la mile Date:	Fort Deves	06/10/92	06/10/92	04/10/92	66/10/92	00/25/91	01/07/93	01/07/93	19/13/93	10/15/93	01/26/94	01/26/94
Desth:	Reclareved		•	•	•	27	27	27	30	30	30	50
Field Sample Number:		DX 41 0300	DX 41 8408	DX418500	DX410000	MX4101X1	MX4101X2	MX4101X2	MX4101X3	MX4101X3	MCC 4101X2	MX4101X2
PAL CATIONS/ANIONS (MI/L)		P.0.1.222_1										
Chleride	• • • •	NA NA	NA	NA NA	NA	• 2120	4 2120	NA NA	NA	NA NA	NA NA	NA.
Photphete		1500	347	176	154	NA	l - NA	NA	NA NA	NA	NA NA	NA NA
Sulfate		12100	< 100000	< 100000	< 100000	• 10000	a 10000	l NA	NA	NA	NA NA	NA.
PALMETALS (mg/L)	' · · · -											
Alexand	68 70	33700.0	13400.0	3470.0	4960.0	7000	32600	302 F	\$4100	• 141 F	82800	• 141
Astinogy	3.03	3.93	< 1.03	< 3.03	< 1.00	42	3.03	3.03 F	• 3.03	3.84 F	3.84	. 3.03
Attrair	10.1	37.7	8.64	44.0	#0.5	34.5	59.2	4.36 F	28.5	• 254 F	56.6	• 22.14
Harium.	39 6	199	47.0	27.4	21.7	266	228	9 F	158	. 5 F	461	. ,
Berritium		< 5.0	< 5.0	< 3.0	< 3.0	4.00	. 3	اء و ا	. 3	. 5 F	. 3	
Colriva	14700	40400.0	1100.0	2100.0	2160.0	18300	11000	3370 P	14400	3720 F	39200	3200
Chronium	14.7	54.5	15.5	< 6.0	< 4.0	140	4.0	6.02 P	62.0	• 6.02 F	149	• 6.02
Color	25	< 25.0	< 25.0	< 25.0	< 25.0	30.6	ui.	25 F	34.1	. 25 F	88.0	. 21
	4.00	44.1	LM.	< 8.00	< 8.09	93.7	72.9	8.09 F	37	8,09 F	147	15.2
Copper Irno	9100	41100.0	13400.0	25900.0	20500.0	110000	74400	333 P	48400	99.A F	110000	152
tron Lead	4.25	47.3	194	472	4.14	44.6	42.2	1.34 F	32.5	1.36 F	44.6	1.26
Megareium	3480	14400.0	3540.0	1620.0	1570.0	26300	17100	1420 P	13200	1460 F	230600	1340
	291	1130.0	239.0	234.0	242.0	1420	893	51.4 F	441	60.3 F	1620	34.4
Mangaper	0.24)	<0.243	<0.243	<0.243	<0.243	0.243	0.245	0.245 F	0.246	· 0.144 F	·· 0.245	0.245
Mexicy				< 34.3	< 34.3	178	113	34.3 F	73.6	. 343 F	170	* 34.3
Nirhel	34.3	64,5	<343		1460	18600	15100	2610 F	9890	1390 F	20100	1600
Petassina	2370	12300.0	5190.0	3430.0	7	63	4.4	46 F		• 4.6 F	• 4.6	. 4.6
Silver	4.6	< 4.6	<46	< 4.6	< 4.6	M70	89340	6440 F	4.6 8700	6680 F	9710	6150
Sadem	10600	3410.0	2270.0	2250.0	2140.0							
Vanodium	11	79.4	28.4	< 1.0	< 11.0	19	102	· 11 P	65.6	· 11 F	147	• #
Zinc	21.1	144.0	34.0	< 21.1	< 21.1		219	- 21.1 P	140	• 21.1 F	466	21.1
PAL PESTICIDES (pg/L)												
End in		< 0.024	< 0.034	< 0.034	< 0.024	0.0234	0.0381	NA NA	• 0.0238	NA NA	• 0.0236	NA NA
PAL EXPLOSIVES (pg/L)		l			· · · · · · · · · · · · · · · · · · ·		T	, , , , , ,				
Nitrophyceria		<10	<10	<10	<10	- 10	10	NA I	• 10	<u>NA</u>	·	NA
PAL SEMIVOLATILE ORGANICS (*	p (<u>1.)</u>				,							
Bis (2 - ethylhenyl) Phthalate		<4.8	<48	<4.6	<46	• 4.8	• 44	NA NA	14	NA .	• 41	NA .
PAL VOLATILE ORGANICS (pa/L)		l		,								
1,2 - die bloroet byle ven (eie And Trous Ison	440)	< 0.5	< 63	< 0.5	< 0.5	• 0.5	+ 0.5	NA NA	· 0.5	NA	• 0.5	NA
ayleses		<0.84	<614	<0.84	<0.64	• 484	4 4.64	NA .	• 0.84	NA I	• 0.14	NA
1,1,2,7 - tetror blar or those	ł	< 0.5	< 0.5	< 0.5	< 0.5	170	7.1	NA NA	33	NA	14	NA
Carbon Disulfide		< 0.5	< 0.5	< 0.5	< 0.5	• 45	4 0.5	NA	• 0. 5	NA	. 01	NA
Carbon Tetrachloride		< 0.5	< 0.7	< 0.5	< 0.5	• •	4 0.5	NA	• 65	NA	• 0.5	NA
·Chlordorm		< 0.5	1.4	< 0.5	< 0.5	0.5	- 0.5	NA	· 65	NA	• 0.5	NA
• Methylene Chicride		< 2.9	< 23	< 23	< 13	. 25	• 23	NA	• 25	NA	. 23	NA
Methylethyl Ketone / 2-b vtnoone	1	<6.4	<6.4	<6.4	<64	• 6.4	< 6.4	NA '	• 6.4	NA .	• 6.4	NA
Tetrachiorocthylene / Tetrachiorocthene	1	<1.6	<1.6	< 1.6	<1.6	16	a 1.6	NA	24	NA NA	• 1.6	NA NA
*Taluese		< 0.3	< 0.5	< 0.5	< 0.5	• 65	4 65	NA	• Q5	NA	• 0.1	NA NA
Brateur.	l	< 0.3	< 8.5	< 0.5	< 0.5	. 45	• 65	NA	• 6 5	NA NA	· 0.5	NA
Tric Morarthylene / Tric Morarthene		< 0.5	< 0.5	ده.	< 0.5	230	6.4	NA	40	NA	11	NA
144-Trinitrateluese		< 0.63	<0.63	<0.63	<0.63	0.718_	< 0.63	NA NA	• 0.63	NA	• 0.63	NA NA
WATER QUALITY PARAMETERS	ne/L)	1										
Alkaliner		134000	14000	14000	11000	27000	39000	NA I	NA	NA	NA	NA
Nitrite - non Specific		25.5	< 10.0	< 10.0	< 10.0	11000	46.7	NA I	NA .	NA	NA	NA
Nitrages By Kieldahl Method		619	210	1430	1810	NA	NA NA	NA I	NA	NA	NA	NA
Total Dissolved Solids		NA I	NA.	NA NA	NA	NA NA	NA	NA	NA	NA	110000	NA.
Total Herderes		135008	16400	9200	10600	NA	NA.	l ma l	NA	NA	NA	NA NA
I ACT 11-101-0		1 .5		180000		NA	1670000	NA I	2180000	NA	1800000	NA.

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUNDS	ROUND 4	ROUE	VD 1	ROU	WIN 2			OUND 1	
Site ID:		41M-93-02A	41M-93-02A	41M-93-02B	41M-93-829	41M-93-928	41M-93-02B	41M-33-00X	41M-93-01X	41M-93-05X	41M-93-03X
See ID: Some Dete:	Port Devens	10/15/93	01/26/94	10/15/93	16/15/91	01/26/94	01/26/94	10/14/93	10/14/93	10/14/93	10/14/93
Depth:		27	27	27	10/15/77	27	27	39	39	30	30/14/23
Field Sample Number:		MD4192A1	HOC4102A2	MX 4102B1	MCK4102B1	MX4192B2	MX4102B2	MX4103X1	MX4105X1	MD4103X1	MD4103X1
PAL CATIONS/ANIONS (Pg/L)	I Comena account	- Provident	- MATINAMA	MV-14581	POCTIVABLE	PLATIVABA	PLATIVES.	MATINA.	L MATIWAL	MUTIVIAI	MD4103X1
Chleride	r	NA.	NA	NA	NA	NA	NA	NA.	NA	NA NA	NA NA
Phosphote	l	NA NA	NA NA	NA NA	NA NA	NA.	l na	NA I	NA NA	NA NA	NA NA
Sulfate	Į	NA NA	NA NA	NA NA	NA.	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
PAL METALS (pg/L)	L	1—— <u>——</u> ——	RA		PA	<u> </u>	<u> </u>	<u> </u>	L	<u> </u>	I
Alemina	6470	NA NA	NA	16400	• 141 F	44500	• 141 F	6300	• 141 F	6330	• 141 DF
Astimouy	3.63	NA.	NA NA	3.03	3.75 F	2.05	3.03 F		3.38 F	3.03 D	
Americ	10.5	NA NA	NA I	24.2	3.3 F	78	277 P	9.4	. 154 F	12.2 0	
Barine	39.6	I NA	NA NA	73.3	. 5 8	- 251	. 2	30	. 3 F	30 0	. 3 DI
Bernfine	J	l ma	NA NA	. 5		. 5		. 7			· 5 DF
Calcina	14700	I NA	NA I	9170	3170 F	16400	5520 F	4200	3440 F	6290 D	3470 DF
		NA NA	NA NA	25.5		81.5		10.5	• 6.02 F		
Chromium Cobalt	14.7	NA NA	NA I	. 25	4 6.02 F		• 6.02 F		25 F	, ,,,,	1 4.02
	100	l NA	NA NA	25,7	1.09 P	42.0 75.7	. A.09 P	[* · #	LOP F	· 25 D	
Copper											• 6.09 DE
from	9110	NA NA	NA I	24200	119 2	73200	166 F	8340	117 F	8380 D	• 36.6 DF
tred	421	NA NA	NA I	11.6	• 1.36 P	343	249 F	4.12	• 1.26 F	4.12 D	• 1.24 DF
Magnesium	3440	NA	NA NA	7430	2470 P	17200	2500 F	3130	1430 F	3180 D	
Marga acar	201	NA.	NA.	.546	15.4 P	1210	37.6 F	177	3.9 F	176 D	m.,
Mexicary	0.143	NA NA	NA	• 0.243	• 8265 F	4 20.245		• 0.343	• 0.243 F		
Netel	34.9	NA NA	NA NA	• 34.3	• 343 P	93.7		• 345	• 343 F		
Petassium	2370	NA.	NA NA	6120	2020 F	14400	3100 F		1170 F	28% D	
Silver	4.6	NA	NA .	• 46	· 46 F	4.6	• 4.6 P	• 46	• 4.6 F	· 4.6 D	• 4.6 DF
Sodium	10000	NA.	NA	10000	8560 F	11100	9480 P	6020	.5340 F	6000 D	5410 DF
Venedium	13	NA	NA	31.7	• 11 P	78.7	• 11 F	12.7	• 11 F	17 D	
Zier	31.1	NA NA	NA	\$3.1	• 21.1 P	\$26	• 21.1 F	24.6	• 21.1 F	30.5 D	• 21.1 DF
PAL PRSTICIDES (pg/L)											
Entrio	L	NA NA	NA	• 0.0234	NA	4 0.0234	NA	• Q.0236	NA	· 0.0234 D	NA
PAL EXPLOSIVES (pg/L)		•					····				
Naragheria	L	NA NA	NA	• 10	NA NA	· 10	NA	- 10	NA	· 10 D	NA
PAL SEMIVOLATILE ORGANICS (ye/L)						NA				
Bu (2-ethylbergi) Phthalate	L	NA NA	NA	4.8	NA NA	19	NA .	15	NA	< 4.8 D	NA
PAL VOLATILE ORGANICS (mg/L)					- 444						 -
1.2 - dichlerort byle see (cio And Trass Ison	cae)	• 0.5 • 0.84	• 0.5 • 0.84	• 0,1 • 0,84	NA NA	1.8 • 0.84	NA NA	. 1	NA NA	· 1 D	NA NA
sylvaes	1	0.5	. 65	2.5	NA NA	2.0	NA NA		NA NA	. 44 0	NA NA
1.1.2.2 – tetror Moroe these Carbon Disulfide		. 83		• 95	NA NA	4 41	NA AA	. ! !	NA NA		NA NA
]			4.5	NA I	4 45	NA NA		NA NA		NA NA
Carbon Tetrachloride	i		. 45	. 45	NA NA	. Li	NA NA		NA NA]	NA NA
*Chlordon		. 23	. 23	. 23	NA NA	23	NA NA	. 44	NA NA]	NA NA
*Methylese Charide		83		. 43	NA I	. 4	NA NA	. 10	NA NA	· 6.4 D	NA NA
Methylethyl Ketone / 2-butanoue		• 1.4	. 14		NA NA	14	NA NA	: " I		· 10 D	NA NA
Trivachlaraethyleae / Tetrachlaraetheae	1	41	. 43	43	NA I		- NA	: :	NA NA	. 1 0	NA NA
·Taluene	1	. 45	נו .	4.3	NA I	. 43	NA NA	. 45		. 43 0	NA NA
Bengene		. as	. 65	* 8.5 5.1	I RA	7.9	NA NA	200	NA NA	200 D	NA NA
Trir Moraethylene / Tric Moraethene]	. 0.63	. 43	. 943	NA I	4 9.63	NA NA	. 0.43	NA NA	· 0.43 D	NA NA
2.46 - Trinitratalurus	<u> </u>					- 403		- 601		- ue) D	NA NA
WATER QUALITY PARAMETERS	(ML)		NA	NA I	NA I	NA I	NA T	NA I	NA NA		
Altalisity	l i	NA NA								NA D	NA NA
Nitrite, Nitrale - non Specific		NA.	NA .	NA I	NA VA	NA I	NA NA	NA NA	NA .	NA D	NA NA
Narapes By Kieldshi Method	[NÁ.	NA NA	NA I	NA NA	NA		NA.	NA .	NA D	NA I
Total Dissalved Solids		NA	NA NA	NA NA	NA NA	94000 NA	NA NA	NA I	NA Na	NA D	NA
Total Hardares		NA		NA 378000				NA.	NA NA	NA D	NA
Tatal Suspended Salids		NA	NA	3 /800/6	NA	5200000	NA	447000	NA NA	540000 D	NA

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	1	ROL	ND 4	ROU	IND S	ROL	JND 4	ROL	IND 5	ROU	ND 4
Site ID:		41M-91-65X	41M-93-03X	41M-93-94X	4114-93-04X	41M-93-04X	41M-93-04X	41M-93-05X	41M-93-05X	41M-93-05X	41M-93-05X
žemie Date:	Port Daves	01/20/94	01/20/94	10/14/93	10/14/93	01/25/94	01/24/94	10/13/93	10/15/93	01/24/94	01/34/94
. Depth:	Beckground	39	39	20	6.5	6.5	6.5	4.5	6.3	4.5	4.5
Pield Sample Number:		MX4100X2	MX4100X1	MX4194X1	MCK419Ct1	MX4100X2	MCK4104X2	MX4100XI	MCK4165X1	MX4105X2	MX 4105X2
	Commission	MY41A3Y1	_ BATIWAI	I WYLLANI		I MYAIAWY	1 100,410,000	NATION1	POLYIMAI	PLATIENT !	BLATIONAL
PAL CATIONS/ANIONS (ME/L)						NA NA	t			l	NA
Chloride	1	NA	NA	NA NA	NA NA		NA NA	NA.	NA NA	NA	
Phosphate	1	NA	NA	NA	NA.	NA NA	NA	NA.	NA	NA NA	NA
Sulfate	<u> </u>	NA	NA NA	NA NA	NA	NA NA	NA NA	NA	NA NA	NA NA	NA
PAL METALS (pg/L)											
Aluminum	6870	22400	• 4 F	• 141	• 141 F		• 141 F		• 141 F	222900	• 141
Astimosy	3.03	1.03		. 3.09		9.09	• 3.05 P		- 3.03 F	• 3.03	• 3.03
Arsrair	101	03.4	· 33.3 F	19.5	15.4 7	830.1	- 254 F	, ,,,,,] 175 P	43.2	12.7
Berien	39.6	134	. 3 P	121	123 F	20.6	10.5 F	59.4	122 F	83.4	7.5
Benflium	5	. ,	. 3 F	{·	. , ,	4 5	. 5 P	1. ,	. 3 F	• • •	
Celema	14700	15000	4190 F	2310	2420 F	2510	2440 F	340	3320 F	3510	2530
Chronium	14.7	25.8	. 4.02 F	4.02	4.02 P	4.12	· 6.02 F	144	• 6.02 F	31.7	• 6.02
Cobell	25	. 25	. 25 P	. 25		20	. 25 F		25 F	. 15	. 21
= =	1.00	` ¥		1.00		1.00	4.00 F	11.5	8.00 F	21.9	4.09
Соррег	9100	31500	136 P	25870	5440	4390	1090 P		6250 F	35700	7190
Iros			1.26 F	25170	1.26	16	1.36 F	4.18	1.26 F	10.7	• 1.26
Lend	421	219		5.4.	300	991	300 P		500 F	3290	611
Magoraium	3400	8340	1090 P	- 500 133	134	951 96.1	. 200	3140) 333 P	401	173
Maga pror	291	1210	. 175 F		• • • • •	*****					
Mesr wry	0.243	· 0.243	• 6.240 P	• 0.345	0.343	• 0.245	• 6.240 P			• 0.245	. 0,243
Virkel	34.3	43.5	• 343 F	• 343	< 34.5 €	• 943	· 34.3 F	• 343	• 343 P	• 134.3	94.3
Potessium	2370	8546	2760 P	1540] 1660 F	1490	1190 F	9630	1370 P	5470	1420
liber .	4.6	. 46	• 46 F	. 46	46 7	4.6	· 46 P	• 46	• 46 F	• 46	• 4.6
Serling	10000	7910	6846 P	1720	1790 F	1630	1610 F	2340	1630 P	2320	1720
Vacadium	11	36.6	l 11 F	• tı	i - 11 P	4 11	11 7	20.9	• II 'P	29.7	• 11
Zuet	21.1	144	l 21.1 F	21.1	4 23.1 P	92.5	1 34.4 F	342	- 21.1 F	344	25.4
PAL PESTICIDES (mg/L)											
Esdia		0.0236	NA	4 0.0236	NA	4 0.0238	NA	· 0.0234	NA	• 0.0234	NA
PAL EXPLOSIVES (mg/L)											
Nitrogly reig		34.5	NA NA	. 10	NA NA	10	NA NA	• 10		10	NA
	L			<u> </u>	L	1	·	<u> </u>			
PAL SEMIVOLATILE ORGANICS (<u>4/L)</u>		NA NA	1 46	NA NA	1 40	NA NA	10	NA.	1	NA
*Dia (2-ethylbenyl) Phihalote		5.9	<u></u>			1, 4,		14	1	1	<u></u>
PAL VOLATILE ORGANICS (MI/L)		·			***	4 65	1		l NA	· 0.5	NA
1,2-dic bles out byle neo (cis And Trans loos	(ex.)	• 0.5	NA NA	• 6.5	NA	234	NA .	• 65			NA.
sylenen			NA NA	• 6.84	NA NA		NA NA	• 884	NA		
I, I, 2, 2 - tetrachiaraethene	i .	• 0.5	NA	• 8.5	NA NA	• 0.	NA NA	• 61	NA	· 65	NA
Carbon Disulfide		• 63	NA.	• 83	NA.	4 63	NA NA	• 65	NA	. 0.5	
Carbon Trirac Maride		• 65	NA NA	• 65	NA NA	4 65	NA NA	• 6.5	NA	• 0.5	
*Chlardern		· 45	NA	• 6.5	NA NA	• &5	NA NA	• ល	NA NA	· 0.5	NA
*Methylene Chloride		. 25	NA NA	• 23	NA NA	• 23	NA NA	. 25	NA NA	· 25	
Methylethyl Ketone / 2-butnuoue		. 6.4	NA NA	. 64	NA NA	• 64	NA NA	. 64	NA NA	• 6.4	NA
Tetrac Morarthylene / Tetrac Morart bene		• 1.6	NA NA	• 1.6	NA NA	• 1.6	NA NA	• 1.6	NA	• 1.6	NA
Talwar	1	0.7	NA NA	. 46	NA.	. 06	NA NA	. 46	NA	· 06	NA
Besteur	1	. 0.5	NA NA	. 45	NA.	• 6 5	NA	. 65	NA	· 0.5	NA
Tric Moraethylege / Tric Moraetheae		150	I NA		NA.	4 83	NA NA	. 95	NA	. 05	NA
2.46-Trinitratelurae		. 0.63	I NA	. 0.63	NA NA	9,63	NA.	. 8.63	NA.	. 0.43	NA
WATER QUALITY PARAMETERS							· · · · · · · · · · · · · · · · · · ·			·	
	 				1 44	NA NA	NA NA		NA NA	NA I	NA
Alkalinky		NA	NA NA	NA .	NA.		I RA	NA NA	NA NA		
Ndrite, Nitrote-aan Specific		NA	NA NA	NA NA	NA	NA NA		• NA		NA	NA
Näragen By Kjeldabl Method	1	NA	NA NA	NA NA	NA NA	NA.	NA	NA	NA	NA I	NA
Total Dissalved Salids		84000	NA	NA NA	NA NA	15000	NA.	25000	NA NA	NA	NA
Total Hardons	1	NA	NA	NA NA	NA	NA NA	NA	NA	NA	NA .	NA
Total Suspended Salids	I	2900000	l NA	7000	NA	37000	NA	350000	NA	700000	. NA

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	1	ROUND 3		201	ND 4	ROU	t div	ROU	ROUNDS	
Site ID:		41M-92-01X	41M-92-91X	41M-92-01X	41M-92-01X	41M-93-02A	41M-93-02A	41M-93-02A	41M-93-62A	41 M - 93 - 02 B
Samula Date:	Fort Devroe	12/07/94	12/07/94	43/16/93	05/14/95	12/06/94	12/06/94	03/16/93	03/14/93	12/06/94
Denth:	Beckground	30	30	30	30	124		1		27
vepta: Pield Semale Number:		MX4101X4	POX4101X4	MX4101XS	MOX4101X5	MX4102A3	MOX4182A3	MX4102A4	MX4182A4	MOX4102B3
PAL CATIONS/ANIONS (Mg/L)	Conscionations	HYALOIYA	1 PIXTIVIXT	- STVAIAIVY	_ PANTING	1. 30.110313	1			
Chloride		2120	NA NA	2120	NA.	• 2120	NA NA	3510	NA NA	- 2120
C bior inte Phosphate	i	50000	NA NA	16000	NA .	31.5	NA NA	305	NA.	12000
r neupnace Sulfate	1	18000	NA NA	- 10000	NA NA	44000	NA NA	10000	NA	4 10000
PAL METALS (pg/L)	l	1		- 1000	1 100		1			1
Ausing	4170	171000	477 F	36400	7 141 P	2300	141 P	1270	141	106000
Autimory	1.00	. 100	1.03 F	3.03		4 3.00	3.05 P		. 3.03 F	3.75
Arorair	10.5	نين · ا	4.26 F	35.3		1 254	- 2.54 F	2.24	· 2.54	64.7
Arrer Berion	39.6	575	3.60 F	211	3 9		18.9 P	17.7	7.29 F	368
Broffins	1	172	. 3	از ا	. , ,	. 3	9 5 F	. 5		
Calrium	14700	47300	3250 F	18700	3310 P		8380 P	1500	6300 F	\$4800
	• • • • •	300	6.02 F	44.3	4 6.02 P	. 4.02	4.02 P	6.02	- 6.02 F	178
Chromium Cohalt	14.7	1 126	29 F	39.6	2 P	25	25 F	. 25	. 21	91.6
	1.00	226	124 F	82.7	1.00		1.00 P	1	8.09	100
Capper Iron	1100	254000	13.0	43400	63.4 F	2930	63.3 P	1450	- 34.0	172000
	4.25	37.5	. 134	30	4 1.26 P	4 1.36	1.26 P	1.41	1.26	41.5
Lead	340	41400	1360 F	15100	1340 F	2630	1620 F		647	\$9400
Magacainm Magnapor	291	1120	177	693	165	47.2	6.16 F		4.72	2780
	9,243	. 6243	. 6343 F	0.243	4 420 F	0.245	0.249 P	0.243	0.245 F	0.245
Mexicy	343	134	. 343 F	67.9	343	4 343	. 343 P	. 313	· 34.3 F	251
Niebel	2370	37100	1630 F	10700	947 P	9360	\$200 P	965	649 F	27100
Palemins	1 44	. 46	. 46 F	. 46	. 46 F	. 44	46 7	. 46	. 46	4.6
Silver	10000	12200	6320 F	1030	4400	13300	8480 P	3630	3040 T	13400
Sofium	1000	261	11 F	6LI	11 7	• 11	. 11 7	. 11	. 11 1	176
Venedium	21.1	633	44	135	21.1	33.6	27.4	21.1	21.1 1	458
Zinc		1 133	<u> </u>		1 41.1		F	<u> </u>		
PAL PESTICIDES (pa/L)		NA.	NA	NA.	NA	NA.	NA.	NA NA	NA NA	NA.
End in	<u> </u>	<u> </u>	1 100		1		·			
PAL EXPLOSIVES (mg/L)		I NA	I NA	NA.	NA NA	NA	NA.	NA.	NA NA	NA NA
Nitrophreria	L <u>.</u>	<u> </u>	<u> </u>	<u></u>	<u> </u>	1				
PAL SEMIVOLATELE ORGANICS (% -1	1. 44	NA.	1. 44	NA NA	48	NA.	4.0	NA -	3.7 B
Bis (2-ethylhesyl) Phthelate	L				<u> </u>	<u> </u>	·····			1
PAL VOLATILE ORGANICS (ML/L)		1. 65	I NA	• 0.5	NA NA	4 63	NA NA	• 4	NA NA	1.6
1,2 - dichloraet byle nas (cie And Trans loss	4 4.)	: E	NA NA		NA NA	. 04	NA NA	. 44	NA	0.91
nyferaca	l .	34	NA NA	25	NA NA	4 431	NA.	4.51	NA.	1.9
1,1,2,2-tetrochloroethone	I		NA NA	. 👸	NA NA		NA NA	. 45	NA.	. 63
Carbos Dissifide	I		NA NA	i: 👸	NA NA		NA NA		NA NA	9.5
Carbon Tetrachloride	i	. 83	NA NA	: 5	NA NA	اد م	NA NA		NA.	9.5
·Chaque	1	****	NA.]. 5,	NA NA	25	NA NA	29	NA NA	23
*Methylene Chlorids	1	. 23	NA NA	: 47	NA NA		NA NA		NA NA	
Methylethyl Ketane / 2-butnoose	1	. 64	I RA	: 13	NA NA	1.6	NA NA	1.6	l na	1.6
Tetrachier octhylene / Tetrachierest bene	l .	2.2	NA NA		NA NA	l' <u>'</u>	NA NA		NA NA	21
Talvese	i	. 64	NA NA	. 65	NA NA	. 6.	NA NA	. as	NA NA	
Bearer	1		NA NA	24	NA NA		NA NA		NA NA	10
Tric Morarthylene / Tric Moraethene	I	44	NA NA	. 20	NA.	963	NA NA	. 0.63	NA NA	. 0.63
24.6-Trinitrataluese		. 463	1 74	1. 663	I IVA	7. 7.	1	1		1: 407
WATER QUALITY PARAMETERS	(ps/L)		T 41			9000	NA NA	23000	NA NA	42000
Alkalioity	1	27000	NA	25000	NA		NA NA	. 10	NA NA	16.4
Nigite, Nigete - non Specific	1	58.4	NA.	21.9	NA.	10		371	NA NA	419
Nitrages By Kjeldahl Method	1	905	NA.	495	NA.	714	NA NA	NA NA		NA NA
Total Dissolved Solids		NA	NA NA	NA	NA	NA	NA.	19600	NA NA	64400
Total Hurdson		118000	NA NA	60100	NA.	34400	NA NA		NA NA	11500000
Total Suspended Solida	l	27000000	NA .	15400000	NA	\$0000	NA .	9750000	NA	1 11500000

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 5	ROU	ND 4	ROU	IND 3	ROU	ND 6	ROU	ND \$
Site 1D:		41M-93-02B	41M-93-028	41M-93-02B	41M-94-92C	41M-94-02C	41M-94-02C	41M-94-02C	41M-93-03X	41M-93-05X
Samule Date:	Part Devras	12/04/94	63/16/93	03/16/95	12/06/94	12/06/94	03/16/93	03/16/95	12/06/94	12/06/94
Depth:	Beckground	27	27	27	49.5	49.5	40.5	49.5	39	39
Field Sample Number:		MX4102B3	MX410294	MCK410284	MCK4102C3	MOX4102C3	MOX4102C4	MX4102C4	MX4105X3	MOX4105X3
PAL CATIONS/ANIONS (pg/L)										
Chloride		NA	• 2120	NA	- 2130	NA NA	1 2120	NA	2120	NA
Phosphote		NA NA	2100	NA NA	• 13.3	NA	281	NA NA	104	NA
Sulfate		NA	· 10000	NA	· 10000	NA NA	· 10000	NA NA	• 10000	JNA
PAL METALS (pg/L)								,		
Alemine	6470		11000	• 141, F		1	• 141	4 141 F	1270	• 141
Astimoty	1.01	· 1.03 F	. 1.00		• 3.03	3.46 F	9.00	4 5.05 F	9.03	3.39
Araesir	10.5	436 F	6.4	• 254 F	7.04	- 2.54 F	3.42	• 2.54 F	5.33	3.62
Berins	39.4	. 5 P	93.5	. , r	• 5	· 5 F	• •	11.9 F	8.92	
Beryllium	,	·	• 5] • 5 F	·	. 5 F	1	4 5 F	• 5	. 3
Calrium	14700	4566 F	8100	3400 P	3310	3590 F	3470	2580 F	6200	4340
Chronium	14.7	· 4.02 F	15.8	6.42 F	· 6.02	• 6.02 F	· 6.02	4 6.02 F	10.5	6.02
Cabalt	25	• 25 F	• 😕		· 25	25 F	1 25	• 25 F	. 2	• 25
Сарит	8.09	• £00 F	22.9		4 B.09	• 8.00 F	· 0.09	4 8.00 F	14	4 8.09
kon	. 6100	134 F	14300	14.3 F		• 34.6 F	• \$4.8	393 F	1620	34.6
Lead	4.25	• 1.26 F	9.55	- 1.36 F	1.36	1.24 F	· 1.26	4 1.36 F	1.26	1.26
Magersina	3400	2440 P	4004	2350 F	703	770 E	149	4 500 F	2210	1990
Means pror	291	32.8 F	453	16.7 P	1.56	1,77	7.91	81.5 F	90.7	3.93
Memury	0.245	· 6.245 F	· 0.740	4 . 0.245 F	• 6.343	• 0.243 F	· 0.240	4 0.245 F	• Q 243	0.243
Nirkel	34.3	· 343 F	• 34.3	+ 343 F	• 343	+ 34.3 F	• 343	4 34.3 F	34.3	- 34.5
Palessium	2370	2350 F	5140	1570 F	955	1440 F	1052	629 F	3690	1170
1 dese	4.6	. 46 7	. 46	46 F	4.6	• 4.6 F	4.6	4 4.6 F	. 46	• 4.6
Sodium	10600	6700 F	9596	8830 F	3160	3410 P	3400	1610 F	6020	3410
Vacadium	11	. n r	20.5	11 F	i 11	· 11	1. 11		17	• 11
Zier	21.1	N 1	46.7	• 21.1 F	21.1	· 21.1	21.1	153 F	45,9	27.8
PAL PESTICIDES (pg/L)										
Entrip	1	NA	NA	NA	NA	NA NA	NA NA	NA NA	NA NA	NA NA
PAL EXPLOSIVES (mg/L)	•								·	
Nitroglycer in	T	NA	NA	NA .	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
PAL SEMIVOLATILE ORGANICS (MACL)					<u></u>			·	,
*Bis (2-ethylbesyl) Phthelate	F	NA	• 41	NA	15 1	NA NA	15	NA	· 41	NA NA
PAL VOLATILE ORGANICS (mg/L)									·	
1,2-dir blaract hyle pas (cie And Trans Isse	era)	NA	2.6	NA	· 85	NA NA	. 45	NA	l' '.	NA
Tylenes		NA	. 64	NA NA	• 6.64	NA NA	• 0.84	NA		NA NA
1, 1,2.2 - tetrachierecthone	1	NA NA	4	NA NA	• 631	NA NA	• 0.31	NA	l' !	NA NA
Carbon Disulfide	I	NA	• 65	NA	9.2	NA.	· 65	NA	l' .'	NA.
Carbon Tetrachloride	1	NA	• 65,	NA	· 65	NA	. 83	NA.	1: :	NA.
'Chlordorn	1	NA	• 65	NA		NA.	. 69	NA NA	1: '	NA'
*Methylene Chlorida	1	NA.	. 23	NA	2.5	NA NA	2.9	NA NA	1. 10	NA.
Methylethyl Ketone / 2-butonone	1	NA	. 64	NA	• 64	NA NA	. 64	NA NA	10	NA NA
Tetrachicrorthylese / Tetrachicrorthese		NA NA	• 1.6	NA	1.6	NA NA	1.6	NA NA		
*Taluese		NA		NA	. 83	NA NA	. 03	NA NA	1: '.	NA NA
Bearene	1	NA	• 4.5	NA	. 65	NA NA		NA NA	200	I NA
Tric Morarthylene / Tric Morarthene	1	NA	17	NA	1.6	NA NA	15	NA NA	. 0,63	NA NA
246-Tripitratalvene	L	NA	. 0.63	NA NA	· 0.63	1 84	1. 693	1 74	L. (19)	1 77
WATER QUALITY PARAMETERS	(M/L)				T	T	1	T NA	2400	NA NA
Alkalinity		NA	30000	NA	14000	NA.	3000	NA NA	1700	
Nitrite, Nitrote – son Specific	1	NA NA	. 10	NA NA	21.5	NA NA	10	****		NA.
Nitrogen By Kieldahl Method	1	NA NA	676	NA	• 103	NA NA	505	NA NA	183 NA	NA.
Total Dissolved Salids	1	NA	NA.	NA NA	NA	NA NA	NA	NA NA	26400	NA.
Total Hardness	1	NA	35600	NA NA	10.0	NA NA	4400	NA NA	26-400 447000	NA.
Total Suspended Solids	1	l NA	4200000	LNA	4000	NA	15000	NA.	94 700/	NA NA

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	1	ROUND 5		ROU	IND 6	ROU	ND 3	ROU	AOUND 5	
Site ID:		41M-93-03X	41M-93-03X	41 M-93-93X	41M-03-00X	41M-94-03B	41M-94-058	41M-94-03B	41M-94-03B	41M-93-04X
Sample Date:	Fail Decem	12/04/94	12/06/94	43/24/95	45/30/95	12/06/94	12/06/94	03/20/93	03/20/93	12/01/94
Desth:	Beciground	39	39	>>	99	4	64	- 44	64	6.5
Field Sample Number:	Concentrations	MD4143X3	MD4143X3	MX4105X4	MX4105X4_	MOX4100B3	MCX 41 00 D 3	MCK410384	MCX4103B4	MX4104X3
FAL CATIONS/ANIONS (Mg/L)									·	
Chloride		2410	NA	2120	NA NA	- 2120	NA NA	2740	NA	- 2120
Phraphate		135	NA	104	NA	31.5	NA	3200	NA	15.5
Sulfate	J	· 10000	NA NA	· 10000	NA NA	10000	NA NA	10000	NA NA	10000
PAL METALS (Pa/L)	ربيب						· 141 P	7410	141 F	141
Alusims	4470	1500		F 1270	1580 P	141		3.03	. 3.03 F	
Automony	3.03 10.5	- 3.05 4.37		F 100 F 154	437 P	3.62	296 P	17.5	434 F	
Arerair	79.6	158	. 3		LOS P	1. 7	. 5 P	34.7	. 3	12.1
Series	7.9	8.06	: ; ;			1		1. 7		1.
Beryllium Caleium	14708	15000		F 3410	3900 F	3310	5330 F	4420	4900 5	1316
Chronium	14.7	25.8	4.02		4.02 P	6.02	- 6.02 F	14.4	6.02 F	6.02
Cabalt	21	. 2		F 25	21 9	25	1 25 P	. 25	. 25 F	. 13
Соррег	1.00	` ¥	. A.00 D		1.00	4.09	. 8.00 P	16.4	. 8.00 F	. 8.09
lron	9100	57.9		F 1620	1990 P	· 30.6	57.9 P	10700	• 34.6 F	5870
Lead	425	22.9		F 1.26	1.36 P	1.26	• 1.36 P	3.75	• 1.26 F	1.24
Magazzium	3400	2430		F 1710	3430 F	1990	1940 P	4010	1710 P	- 500
Maggaprer	291	31.0	· 175 D		31 F	2.75	• 275 P	190	3.43 F	135
Mescury	0.243	. 0.249	. 0.243 D	F . 0.245	. 6245 F	• 0.249	• 0.243 P	• 0.243	• 0.243 P	• B.249
Nirkel	34.3	41.5	34.3 D	F 34.5	. 343 P	. 34.3	• 343 P	4 54.5	• 34.3 F	• 343
Patenina	2370	0340	2766 D	F 1090	1940 P	1460	933 F	3020	1400 P	1560
Silver	4.6	. 4.6	. 46 D	F 4.6	. 46 P	- 4.6	· 46 P	• 4.6	· 4.6 F	• 46
Sortium	10000	7910	6640 D		5740 P	5520	5520 P	5790	3100 F	1720
Vanedium	111	36.6	· 11 D	F - 11	• 11 P	11	· 11 P	[• II	- 11 F	- 11
2 inc	21.1	146	4 21.1 D	F (0.3	• 21.1 F	27,3	· 21.1 P	24.9] : <u>21.1 </u>	21.1
PAL PESTICIDES (pg/L)									4	 -
Eodia		NA NA	NA NA	NA NA	NA NA	NA .	NA	NA NA	NA NA	NA NA
PAL EXPLOSIVES (PA/L)							T :::		r	
Nitrophyteria	I	NA NA	NA NA	NA NA	NA NA	NA.	NA	NA NA	NA NA	NA NA
PALSEMIVOLATILE ORGANICS (#	<u>y/L)</u>					NA NA	NA NA	• 41	NA NA	1. 41
'Dis (2-ethylbenyl) Phthelate	<u> </u>	10	B NA	12	NA NA]NA	NA		J	1:
PAL VOLATILE ORGANICS (ME/L)			T NA	1. 1	T ÑĀ	1. 45	NA NA	4 65	1 NA	1. 41
1,2 - dir blewart byle nen (cio And Trons loos	ero)	• 85 • 884	NA NA	' '	NA NA		NA NA	0.04	NA NA	0.84
nylenes		. 631	I NA	1: :	NA.		NA NA	0.11	I NA	431
1,1,2,2-tetrachiresethone]	. 45	I NA	45	NA NA	45	NA NA	4.5	NA NA	. 63
Corbne Disulfide		. 85	I ÑA	45	NA NA		NA NA	. 41	NA NA	. 0.5
Corbon Triverblands 'Chlordon		. 83	NA NA	1: "	NA NA	. 63	NA NA	. 0.5	NA.	21
*Chloreform *Methylene Chlorida		. 19	NA NA		NA.	. 23	NA	. 23	NA	. 29
Methylene Chlorulu Methylethyl Kelone / 2bulmoose	1		NA NA	10	NA NA	. 44	NA	. 64	NA NA	. 64
Tetrac Moraethylene / Tetrac Maraet bene	1	. 1.6	NA NA		NA NA	. 1.6	NA	• 1.6	NA NA	• 1.6
Taluese		l' "i	NA	1. i	NA	0.6	NA	• 0.5	NA	0.63
Bratene		. 6.5	NA	. 45	NA	• 6 5	NA	• 0.1	NA	• Q5 ·
Tric Morarthylene / Tric Morarthese		200	NA	100	NA	- 0.5	NA	0.51	NA	1.3
2,4,6 - Trimitrated vene		4.63	NA	. 645	NA .	• 0.63	NA .	• 0.43	NA NA	. 0.63
WATER QUALITY PARAMETERS	ma/L)									
Alkalieity		NA.	NA	26000	NA	18000	NA	2,1000	NA	NA
Nitrite, Nitrate - pas Specific		NA.	NA	1700	NA	153	NA	1100	NA.	NĄ
Nitrogra By Kirldshi Method	1	NA NA	NA	· 163	NA NA	• 163	NA	524	NA NA	NA NA
Total Dissolved Solids	[84000	NA	NA NA	NA NA	NA NA	NA .	NA	NA.	NA NA
Total Herdacts	·	NA NA	NA NA	26400	NA NA	14000	NA	23600	NA NA	NA.
Total Suspended Solids	I .	2900000	. NA	135000	NA	71000	NA	4950000	. NA	5000

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND \$		ROU	ND 4		ROU			UND 6
Site ID:		41M-93-04X	41M-93-04X	41M-93-04X	41M-93-04X	41M-95-04X	41M-93-65X	41M-93-05X	41M-93-01X	41M-93-05
Semple Date:	Part Deven	12/07/94	65/13/95	03/13/95	65/13/95	93/14/95	12/01/04	12/01/94	03/14/93	03/14/95
Desth:	Background	4.5	6.3	6.5	8.5	6.5	4.5	6.5	0.5	4.5
Pield Sample Number:		MX4104X3	MX4184X4	MX4104X4	MD4194X4	MD4164X4	MX4105X9	MIX4105X3	MX4105X4	MX4105X4
AL CATIONS/ANIONS (pg/L)	(COM (CO (CO)				<u> </u>					
bleride		NA	2740	NA NA	2450	NA NA	2630	NA .	2120	NA
'basphote		NA.	341	NA	· 13.3	NA	19.5	NA NA	281	NA
iulfate		NA	10000	NA	· 10000	NA.	10000	NA NA	· 10000	NA
AL METALS (mg/L)	L				L.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Vvoime	6670	• 141 F	2470	• 141	141	T+ 141 DI	12900	141 1	22900	· 141
National	3.03		3.60	3.00 F	3.03	- 3.03 DI	3.00	- 3.03 1	F - 3.03	3.05
Arrest	10.1	. 79	20.1	254		9.50 DI		2.54	43.2	127
Berina	39.6	123 P		10.5	4.97	3.18 DI	59.4	12.2	F 83.4	7.34
	,,,,	. '3' \$		1 5 1		1 DI			. 5	1. 1
Beryllium Calrium	14700	2420 7	2510	2440	2030	2360 DI		3320	3510	2530
		· 6.02 F	412	6.02	. 6.02	• 6.02 DF		6.02	F 31.7	• 6.02
Throwine	14.7		. "#	25	. 25	25 04		25 1	. 29	. 25
Tabali	25	. 25 7	1 -	1.00	1.00	4.00 DF		1. 4.00	21.9	8.09
Coppet	8.00	· 8.00 F		1090	4160	2760 DI		6250	5 35700	7390
ree	9100	3640 F	6390		1.36	1.26 01		1.26	1.26	1.26
Lend	4.25	· 1.26 P	3.47	4 1.26 F		100 DF		300	5250	611
dagaraiam	3460	• 500 F	991	1 300	112	49.8 DI		333	402	173
Maga arer	291	130 F	84.1			97.8 DF		. 0.245	6.249	0.243
Arar wy	0.243	• 0.243 F	· 6.243	4 0.245 F	0.245			343	54.3	34.3
lickel	34.3	· 343 F	• 343	4 343 F	. 343	• 343 DI			5470	1420
'ataonium	2370	1660 F		1190	1620	1170 DE		1370		
iden	4.6	· 44 F		· 46	46	• 46 DI		• 46 !	F 4.6	1720
lo fiu m	00400	1790 7	1630	1610 F	1640	1750 DI		1630	F 2320	
Vagadium		· 11 F	1. 19	• 11 7	1 • • • • • • • • • • • • • • • • • • •	• 11 DI		1 11 1	P 29.1	• 11
Lies	21.1	· 21.1 F	423	34. 1	7 - 21.1	87,2 DI	<u> </u>	21.1 1	<u>Fl. 344</u>	25.4
PAL PESTICIDES (Mg/L)							·	·		
Endrin		NA	NA NA	NA .	NA_	NA NA	NA NA	NA NA	NA NA	NA NA
PAL EXPLOSIVES (mg/L)						<u> </u>			·	
Nite appres in	T	NA	NA	NA NA	NA NA	NA_	NA NA	NA NA	NA NA	NA NA
PAL SEMIVOLATILE ORGANICS (e/L)									
Bis (2-ethylbenyl) Phthelate		NA NA	45	NA	48	NA NA	4.9	NA NA	15	NA NA
PAL VOLATILE ORGANICS (MA/L)										.,
1.2 - dichlerert byle nee feie And Trans less	770)	NA	• 03	NA	• 65	NA NA	· 0.5	NA NA	0.5	NA NA
n/ic pes	1 '	NA.	. 684	NA	. 04	NA	· 0.84	NA NA	· 0.64] NA
i, i, 2, 2 - tetrachierer there	Ī	NA.	. 851	NA NA	• 65 1	NA	• 6.5 1	NA NA	• 0.51	NA.
Carbon Disulfiele	İ	NA NA	4. 65	NA NA	. 45	NA	. 43	NA NA	. 0.5	NA NA
Carbon Tetrachloride		NA NA	4 65	NA	• 65	NA	- Q5	NA NA	· 0.5	NA.
'Chadas		NA	• 83	NA	• 65	NA	4 6.5	NA NA	. 0.5	NA NA
Methylene Charide		NA	. 23	NA NA	. 23	NA	. 2.5	NA NA	. 25	NA.
Methylethyl Ketone / 2 - b wto none		NA.	. 41	NA NA	. 64	NA	• 64	NA	• 6.4	NA.
l'etrachieroethylese / Tetrachieroethese	1	NA NA	. 14	l NA	· 14	NA	· 1.6	NA NA	• 1.6	NA NA
Toluene	ļ	NA NA		NA	. 45	NA NA	. 63	NA NA	· 0.5	NA NA
Bearine .		NA.	. 45	NA NA	. 43	NA NA	. 6.5	NA NA	· 0.5	NA.
Tric Morarthylese / Tric Morarthese		NA NA	. 45	NA		NA	. 65	NA NA	· 0.5	NA.
L46-Trinitrateluene		NA NA	8.63	NA NA	. 0.65	NA	. 0.65	NA	. 0.63	NA NA
NATER QUALITY PARAMETERS		J	J			1	*	· · · · · · · · · · · · · · · · · · ·		
	(PE)	I NA	7000	NA.	11000	NA.	10000	NA NA	NA	NA NA
Al kalinity	I	NA NA	. 10	NA NA	1 10	NA NA	21.5	NA NA	NA NA	NA.
Nitrite, Nitrate - son Specific	I		590	NA NA	178	NA NA	1 111	NA NA	NA NA	NA.
Nitragen By Kjeldahi Method	1	NA.		NA NA	NA NA	I ÑÃ	NA.	NA NA	25000	NA.
Total Dissolved Solids	ł	NA NA	NA .	NA NA	18800	NA NA	9.3	NA NA	NA NA	NA NA
Total Hurdores	1	NA NA	17600	NA NA		I ÑÃ		NA NA	700000	NA NA
Total Suspended Sclick	1	NA	279000	<u> </u>	180000		250000		, 'YYYYYY	<u> </u>

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	1	ROU	ND S	ROU	ND 6	ROU	ND 3	ROU	ROUNDS	
Site ID:		41M-94-06X	41M-94-04X	41M-94-06X	41M-94-04X	41M-94-07X	41M-94-07X	41M-94-07X	41M-94-07X	41M-94-06A
Socrale Date:	Fort Devens	12/07/94	12/07/94	03/13/93	05/15/95	12/07/94	12/07/94	03/13/95	09/19/95	12/07/04
Deutle	Beckeround	14.3	14.5	14.5	14.5		1			26.9
_ Pield Sample Humber:		MX 4106X 3	MCK4106X3	MCC4106X4	MCC4106X4	MX4107X3	MX4187X3	MX4107X4	MX4107X4	MOX4108A3
PAL CATIONS/ANIONS (pg/L)										
Chloride		2120	NA	2630	NA	2740	NA NA	4 2120	NA NA	• 2120
Phasphote		4 13.3	NA	560	NA NA	• 13.3	NA NA	450	NA NA	33.3
Sulfate		- 10000	NA NA	4 10000	NA.	· 10000	NA NA	4 10000	NA NA	• 10000
PAL METALS (mg/L)										
Alvaima	64 70	• 141	• 141 F	141	• 141 P			4 141	141 7	
Astimony	3.00	• 3.63			9 3.00 P		. 3.65 P	3.03		3.03
Arereit	10.5	2.54		• 254	. 254 P		· 254 P	2.54		2.54
Parium	39.4	• •					5.07 F	4.63	1	
Breyllium	5	. ,	· 3 P					1		•
Calrium	14700	2370	2630 F		2090 7		2190 P		2530	9400.
Chronium	14.7	• 6.02	• 4.02 F		· 602 P		• 6.02 P	4 6.02	4.07	6.02
Cobalt	25	. 2	. 25 7				• 25 P	1 100	25 F	1
Соррег	8.00	• £00	. 8.00 F) - 4.00 F		34.0	50.4	36.6	1620
lroe .	9100	34.6	• 96.8 F	144	. 126 F	16.5	1,24	4 1.24	1.20	1020 1,26
Lead Magazzina	4.25 3400	• 1.26 • 500	• 1.24 F		300	10.5	1.20 P	4 500	- 1.20 F	3170
		10.7	1) 50	10	1 23 5		13	11.9	1 112	343
Mongo proc	391 8,243	• 0.249	8,245 P		820 7		4. 4.243 P	4 9.203	1. 0240	0.243
Mexwy Nickel	343	. 343	343 F		. 343	. 343	343 7	34.5		. 11
Potentium	2570	41	#n F		671 7	179	404 P	979	375	4310
Sher	46	. 76			1. 46 2	. 46	. 44 P	. 4.6	1. 46 1	4.6
Sodium	10600	1966	2200 F		1540 F	2740	2516 P	2466	2470 F	8230
Venedium	,	. "	11 1	. 11	1. 11 7	. 11	. 35 #	• 11	. 11	• 11
Ziec	21.1	21.1		21.1	21.1 P	• 2).1	71.1	4 25.5	21.1	21.1
PAL PESTICIDES (mg/L)					· · · · · · · · · · · · · · · · · · ·					
Entin		NA.	NA NA	NA	NA NA	NA	NA NA	NA NA	NA.	NA
PAL EXPLOSIVES (PA/L)										
Nitrophyrerin		NA	NA	NA	NA	NA	NA	NA	NA.	NA NA
PAL SEMIVOLATELE ORGANICS (#	e/L)									
*Bis (2-ethylbesyl) Phthelate		9.1	NA NA	4.4	NA_	45	NA NA	17	NA NA	12
PAL VOLATILE ORGANICS (Mg/L)									,	
1,2 - dir blaract byle see (cis And Trees loca	ces)	• 0.5	NA	• 0.5	NA	• 0.5	NA	• 0.5	NA.	1.5
nyfraes		. 4.84	NA.	4 8.84	NA NA	. 44	NA NA	4 0.84	NA	• 0.14
1,1.2,2-tetrachimenthese		• 8.51	NA NA	• 651	i NA	• 0.51	NA.	0.51	NA NA	41
Carbon Disulfile		• 0.5	NA.	6.5 6.5	NA NA	: N	NA NA		NA NA	0.5
Carbon Tetrachleride		. 0.5	NA NA		NA NA		NA NA		NA NA	. 0.54
*Chlordon		· 65	NA NA	. 23	NA NA	23	NA I	23	NA NA	23
*Methylese Chleride		. 64	I NA I HA	. 4	NA NA	. 44	NA I		NA NA	. 44
Methylethyl Reisse / 2-butagese		. 1.4	I NA	1. 1.	i RA	1. 1.6	I NA	1.	NA.	1.6
Trivachieranthylene / Tetrachieract beac		1.0 0.74	l na		l NA	نه .	NA NA	. 63	NA NA	0.63
Bratese		. "0.3	NA NA	i 📆	l NA		NA NA		NA NA	. 0.5
Trir Morarthyleae / Tric Morarthese			NA NA		NA NA		NA NA		NA NA	79
246-Trinitratelyene		. 60	NA.	. 0.63	, NA	. 0.69	NA NA	. 00	NA NA	0.718
WATER QUALITY PARAMETERS (_	•		7.7.1.	·	·	
Altalion	W-1	1000	l NA	· 5000	NA NA	• 5000	NA	₹ 5000	NA NA	52000
Nitrate - see Specific		20.6	NA NA	10	NA NA	12.6	NA NA	10	NA NA	. 10
Nitrages By Kirldshi Method		. 183	NA NA	400	NA NA	- 183	NA	549	NA NA	- 183
Total Dissalved Solids		NA.	NA NA	NA	NA NA	NA	NA NA	NA.	NA NA	NA.
Total Herders		6.0	NA	6000	NA NA		NA.	7200	NA	34.6
Tetal Superpord Solids		4000	NA.	345000	NA	8000	NA.	184000	NA	68000

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	1	ROUND S	ROU	ND 4	ROL	IND S	AOU	IND 6	Rot	ND 3	ROU	ND 4
Site ID:		41M-94-MA	41M-94-06A	41M-94-06A	41M-94-06B	41M-94-06B	41M-94-04B	41M-94-948	41M-94-00A	41M-94-09A	4114-94-09A	41M-94-00A
Souple Date:	Port Deven	12/07/94	63/15/93	49/15/95	12/06/94	12/06/94	49/14/93	65/16/95	12/06/94	12/06/94	03/15/95	03/15/95
Depth:	Beckground	26.9	26.9	26.5	42	42	42	42	59	39	39	39
Pield Sample Number:		MX4186A3	MX4104A4	MOX4101A4	MCC4108B3	MCX410835	MOX 41 00 B4	MC(4) 04 B4	MDC4109A3	MX4109A3	MOC4109A4	MX4109A4
PAL CATIONS/ANIONS (Mg/L)												
('Mariete		NA	- 2120	NA	• 2120	NA	2120	NA NA	3070	NA	2960	NA
Phasphote		NA NA	628	NA NA	263	NA NA	261	NA	• 13.3	NA	21.3	NA.
Sulfate		NA	4 10000	NA NA	· 10000	NA NA	• 10000	NA NA	· 10000	NA NA	· 10000	NA.
PAL METALS (Me/L)												
Aluminum	64.70	• 141 1	1330	• 14t P	1510	· 141 F	731	• 141 F	• 141	• 141 F		· 141
Astimony	3.05	446 1	• 1.00	4 3.60 F	• 3.00	- 3.65 P	9.00	4 9.00 F	1.03	- 3.03 F	9 3.03	4 3.05
Arersit	10.5	· 234 1		• 2.54 F	34.9	23.1	17.6	· 11.7 F	. 254	254 F	2.14	• 254
Series .	39.6	L79 1	17.9	ILS F	10.4		7.44				۱· •	4 5
Brryllium		. 5 1	1 5	4 . 5 7	1. \$	·	1. ,) · · · · ·	ի ,		1 .	. ,
Colrium	14700	8499	6726	1490 F	4150	5700 P	8006	7510 F	3700	4240 F	3730	3470
Chromium	14.7	· 6.02 1	4.02	• 6.02 P	. 6.02	- 6.02 F	· 6.02	4 6.02 F	4.02	4.02	6.02	4 6.02
Cobalt	25	. 25 1	∤ ≥	• 25 F	. 25		j· 25	* 25 F	. 25	. 15	. 25	ļ• ¤
Соррег	8.00	· 8.09 1	. 8.00	· LOO P	· 600	· 4.09 #)2	4 6.00 F	· 8.09	. FO0 1	. 100	■ 8.09
free	9100	• 34.8 ·1	2060	100 🗗	1910	· 34.6 7	751	98.8 F	38.8	34.8 F	• 34.6	· 38.6
Lead	4.25	· 1.26 f	1.63	• 1.26 F	2.93	· 1.34 F		4 J.36 F	1.26	• 1.26 F	1.26	1.26
Mogoreium	3480	2620 1	2910	2510 P	2249	1640 F	2900	2410 P	- 500	- 500 P	- 100	4 500
Maga proc	291	464 1	\$65	546 P	54.8	- 275 P	47.5	21.3 F	9.51	4.9 F	9,53	5.47
Mestury	0.243	· 0.245 1	• 6.245	• 0.265 F	• 0.345	• 0.243 F	. 0.249	4 6.243 F	• 0,245	• 0.243 F	0.243	0.243
Netd	34.5	• 343 1	54.5	+ 3U F	94.3	. 343 E	• 943	4 943 P	• 54.5	• 34.5 F	- 34.3	• 34.5
Potentium .	2370	3736 (9450	2970 F	6060	\$510 F	4400	4410 F	705	1450 F	1100	701
Silver	4.6	• 46 1	4.6	· 46 P	• 4	· 46 F	• 46	• 46 P	. 46	· 46 F	. 4.6	. 46
Soliva	1000	7610 1	0070	1976 F	9790	10900 F	9330	9190 F	2440	2540 F	2420	2640
Vanadium	1)	• 11 1	7 11	· 11 F	· "	. 11 7	1· "	4 11 F	11	· !! !	' · ''	• II
Zinc	21.1	76.4	21,1	4 21.1 P	21,1	<u> </u>	21.1	1 21.1 P	21.1	179	12	<u> </u>
PAL PESTICIDES (MA/L)										·		
Estio		NA	NA	NA	NA NA	NA.	NA NA	NA NA	<u> </u>	NA NA	<u> </u>	NA NA
PAL EXPLOSIVES (pg/L)										·		,
Nitroghyceria		NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA.
PAL SEMIVOLATILE ORGANICS (#	g/L)					<u> </u>						
*Bis (2-ethylhenyl) Phthelate		NA.	1. 48	NA NA	· 41	NA NA	• 48	NA NA	4.8	NA NA	5.5	NA NA
PAL VOLATILE ORGANICS (Mg/L)					<u>,</u>	<u> </u>						
1,2 - die bloroet byle nen fein And Trage loon	ers)	NA	. 4	NA	• 45	NA NA	. 65	NA NA	• 6.5	NA	. 01	NA.
sylvans		NA	· . 0.84	NA	• 64	NA.	. 04	NA NA	. 0.64	NA.	. 044	NA NA
1,1,2,2 - tetrar Morae those		NA NA	X	NA	· 631	[NA	· 0.51	NA	• 6.51	NA NA	6.41	NA.
Curbon Disulfide		HA	• •	NA	. 65	NA NA	· 65	NA NA	- 0.5	NA	0.5	NA.
Carbon Tetrochloride		NA	13	NA	· •	NA NA	. 65	NA NA	• ১১	[NA	0.5	NA NA
'Chieden		NA	1.5	NA	·	, NA	• 65	MA	• 6.5	NA	01	NA NA
*Methylene Clieride		NA	. 25	NA	. 25	NA.	- 25	NA	• 23	NA NA	. 23	NA.
Methylethyl Retone / 2 - butanene		NA	• 64	NA	• 64	NA.	. 44	NA .	. 64	NA NA	• 44	HA.
Tetrachierorthylene / Tetrachieroetheue		NA	. 1.4	NA	1.6	NA NA	1.6	NA NA	· 1.6	NA NA	1.4	NA NA
*Tdwee		NA	• •	NA	. 45	NA.		NA NA	. 45	NA NA	. 61	NA.
Brasrae		NA NA		NA NA	ė as	NA NA	. 85	NA NA	. 43	I NA		NA.
Tric Morarthylene / Tric Moraethene		MA	32	NA NA	. 65	NA.		NA NA	. 465	NA NA	91	NA.
2.4.6 - Trinitrateluene	L	NA		NA NA	· 0.65	NA NA	. 40	L NA	4.07	<u> </u>	0.6)	NA_
WATER QUALITY PARAMETERS (M/L)	· · · · · · · · · · · · · · · · · · ·				l —		T- 5/4	11000	 -		
Al kalin by		MA	44000	NA	44000	NA	44000	NA	11000	NA	10000	NA
Nitrite, Nitrote – nan Specific		NA	• 10	NA	. 10	NA .	10	NA NA	270	NA NA	190	NA
Nizogra By Kjeldali Method		NA	• 100	NA	• 145	NA.	341	NA	• 143	NA NA	• 185	NA NA
Total Dissolved Solida		NA	NA NA	NA	NA	NA	NA.	NA.	NA	, NA	NA	NA.
Total Hurdores		NA NA	34400	NA	25600	NA NA	32300	NA	7.6	NA NA	9800	NA.
Total Superplant Salids	l	NA	75000	NA	24900	NA	<u>#7000</u>	NA	4000	NA	[6000	NA

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

										· · · · · · · · · · · · · · · · · · ·	
			OUND 5		OUND 6		LOUND S		OUND 6		OUNDS
Site ID:		41M-94-09B	41M-94-09B	41M-94-09B	41M-94-09B	41M-94-10X	41M-94-10X	41M-94-10X	41M-94-10X	41M-94-11X	41M-94-11X
Sumple Date:	Fort Devens	12/05/94	12/05/94	03/13/95	03/15/95	12/06/94	12/06/94	03/17/95	03/17/95	12/06/94	12/06/94
Dopth;	Background	38	58	58	58	37.5	37.5	37.5	97.5	49.5	49.5
Field Sample Number:	Couces trailous	MX4109B3	MX4109B3	MX4109B4	MX4109B4	MX411003	MX4110X3	MX4110X4	MX4110X4	MX4111X3	MX4111X3
PAL CATIONS/ANIONS (pg/L)		2740		1 2222	l NA	2520	NA.	2120	NA NA	1 2120	NA NA
Chloride			NA	2850	NA NA	15000	NA NA	2500	NA NA	122	I ÑA
Phosphate		249	NA NA	103	NA NA	45000	NA NA	25000	NA NA	10000	NA NA
Sulfate		· 10000	LNA	1 1000	<u> </u>	1 43000	1 1/1	23000	1	1 1000	<u> </u>
PAL METALS (pg/L)	6870	203	230 F	3. 141	14 141 F	96500	• 141 F	2910	· 141 F	3040	• 141
	3.03	. 3.03		3.03	3.03 F		4 3.03 F		3.03 F		3.03
Antimony	10.5	3.62	2.77 F	2.54	2.54 F		4.05 F		4.48 F	17.3	13.9
Artenic Parium	39.6	6.4	5.89 F	5.56	5.11 F		6.91 F		4.67	24	
Beryllium	37.0	ءُ ا	l. 👸 i	1. 3	. 'S F		9 F				. 5
Coldum	14700	3650	3570 F	3840	3860 F	_	14600 F	7710	7920 1	6070	7040
Chromium	14.7	6.02	6.02 F	6.02	4.02 F	155	4 6.02 F	6.02	· 6.02 F	735	• 6.02
Cobalt	25	25	25 F	25	25 F	66.7	4 25 F		25 F	25	· 25
Cooper	. 8.09	8.09	8.09 F	8.09	8.09 F	115	4 8.09 F		8.09 F		4 8.09
lron	9100	106	193 F	38.6	4 38.8 F		157 F	309b	53.4 F	4780	43
Iron Lead	4.25	1.26	1.26	1.26	1.26 F	46.6	4 1.26 F	2.17	• 1.26 F		1.26
Magnesium	3480	500	500 F	500	4 500 F	40600	6890 F	4010	3620 F	1910	1210
Magnese	291	33.3	30.3 E	21.8	22.1 F	2670	520 F	228	201 F	57.4	3.41
Mercury	0.243	0.243	- 0.243 F	0.243	< 0.243 F	< 0.243	< 0.243 F	0.346	• 0.243 F	0.243	· 0.243
Mickel	34.3	• 34.3	• 343 F	4 34.5	4 343 F	173	< 34.3 F	4 34.3	• 343 F	- 34.3	343
Potesium	2370		800 F	520	946 F	29900	3100 F	7910	4150 F	2790	1990
Silver	4.6	. 4.6	. 4.6 F	4.6	4.6 F	4.6	4.6 F	4.6	- 4.6 F	• 4.6	· 4.6
Sodium	10800	3830	3390 F	2740	2850 F	19600	13300 F	18100	18000 F	5500	5550
Vacadium.	11	• 11	l II E	• 11	- 11 F	153	< 11 F	• 11	11 F	• 11	• 11
Ziac	21.1	21.1	• 21.1 F	• 21.1	4 21.1 F	575	47,7 F	21.1	• 21.1 F	48.3	59.2
PAL PESTICIDES/PCRS (pg/L)							<u></u>				
Endria		NA	NA	NA	NA	NA NA	NA.	NA	NA NA	NA	NA NA
PAL EXPLOSIVES (pg/L)							·	·	· · · · · · · · · · · · · · · · · · ·	l	
Nitroglyceria		NA NA	NA .	NA NA	NA NA	NA NA	NA NA	NA NA	NA	NA .	NA
PAL SEMIVOLATILE ORGANICS (parl)							,		T ::.	· · · · · · ·	NA NA
*Bis (2-edsythexyi) Phihaloto	L	4.8	NA NA	25	NA NA	8.7	NA NA	5.4	NA NA	18 B	L
PAL VOLATILE ORGANICS (pg/L)				1: 64	l NA	< 0.5	NA NA	1 03	NA NA	1 0.5	NA
1,2-dichloroethylenes (ds And Trans Isomers)	f	. 0.5	NA NA	0.5	NA.	0.84	NA NA	0.84	NA NA	0.84	NA NA
rylenes		· 0.84	NA NA	0.51	NA NA	0.51	NA NA	0.51	NA NA	0.51	NA NA
1,1,2,2 - tetrachloroethane	ł	0.5	NA NA	20	NA NA	0.5	NA NA	. 0.5	NA NA	. 03,	NA NA
Carbon Disulfide	İ	. 58	NA NA	. 38	NA NA	. 58	NA NA	. 38	NA NA	. 38	NA NA
Carbon Tetrachloride *Chloroform	1	3	NA NA	3	NA NA	1. 3	NA NA	و ،	NA NA	د د	NA.
*Methylese Chloride	i	23	NA NA	2.5	NA.	2.5	NA.	. 23	NA.	. 23	NA
Methylethyl Ketone / 2 – butnacee	1		NA.	6.4	NA.	4 6.4	NA	4 6.4	NA	• 6.4	NA
Tetrachloroethylene / Tetrachloroethene	1	1.6	NA.	1.5	NA	4 1.6	NA	1.6	NA	• 1.6	NA
*Tolume	l	0.65	NA.	0.65	NA	.82	NA	• 0.5	NA	.86 B	NA
Bourene	}	0.5	NA	. 0.5	NA	< 0.5	NA NA	• 0.5	NA	. 05	NA
Trichlorosthyless / Trichlorosthess	ľ	. 0.5	NA	• 0.5	NA NA	1.3	NA NA	11	NA	٤ .	NA
2.4.6 - Trinitrotolyene	l	• 0.63	NA	• 0.63	NA	4 0.63	NA NA	• 0.63	NA	• 0.63	NA
PAL WATER QUALITY PARAMETERS	(ma/L)										
alkalipity		- 14000	NA	11000	NA	53000	NA	43000	NA	31000	NA
altrite, Mirate – non Specific	1	400	NA	550	NA	10	NA	• 10	NA	• 10	NA
nitrogen By Kjeldnik Method	1	. 183	NA	• 183	NA	362	NA	324	NA	• 183	NA NA
total (Xasolved Solids		• NA	NA	NA	NA	NA.	. NA	NA	NA.	NA	NA
total Hardama		12400	NA.	10800	NA	166000	NA	31600	NA.	18.6	NA
	I	4000	NA NA	9000	NA NA	11300000	NA.	351000	NA	41000	NA
total Suspended Solids			177			- 					

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

			OUND 6	ROUND S			ROUND 6		OUND 5	ROUND 6	
Siu ID:		4IM-94-11X	41M-94-11X	41M-94-12X	41M-94-12X	41M-94-12X	41M-94-12X	41M-94-13X	41M-94-13X	41M-94-13X	41M-94-132
Sample Date:	Fort Devent	03/14/95	03/14/95	12/06/94	12/05/94	03/15/95	03/15/95	12/06/94	12/06/94	03/16/95	03/16/95
Depth;	Neckground	49.5	49.5	34	58	38	38	28.5	28.5	28.5	24.5
	Concentrations	MX4111X4	MCX4111X4	MCX4112X3	MX4112X3	MX4112X4	MX4112X4	MXALISXS	MX4113X5	MX4115X4	MX4113X4
PAL CATIONS/ANIONS (Mg/L)	Constitution						1	1	1		
Chloride		• 2120	NA	• 2120	NA	4 2120	NA NA	• 2120	NA.	1 2120	NA
Thosphate		106	NA NA	445	NA	247	NA.	37.3	NA.	135	NA.
Sulfate		10000	NA NA	16000	NA	10000	NA NA	4 10000	NA.	10000	NA.
PAL METALS (pg/L)		1000		1000	1,000	1000		1	· · · · · · · · · · · · · · · · · · ·		L
Vuminum	6870	962	• 141 F	16100	• 141 F	10000	- 141 F	961 P	• 141 F	5300	• 141
Aptimony	3.03	3.03		3.03	3.93 F	47.4	3.03 F		3.03 F	. 3.03	. 3.03
•	10.5	9.91	7.68 F	19.4	6.06 F	11.2	154 F	- 254 F	2.54 F	6.4	. 254
Arsenic Barium	39.6	10.2	. 5 F	511	7.13 F	\$8.7	8.89 F	935 F	5 F	26.5	. 5
Beryllium	39.0	. 5	. 5 F	. 5	. 'S F	. 3	5 F	. 3 F	. 5 F	. 3	. ,
•	14700	8000	7500 F	16600	11800 F	9110	6740 F	8510 F	7460 F	7060	5600
Caldum	14.7	4 6.02	6.02 F	25.2	4 6.02 F	19.2	6.02 F	6.02 F	6.02 F	7.74	6.02
Chromium Cobata	14.7 25	• •.02 • 25	. 25 F	252	25 F	1 25	25 F	25 F	25 F	25	25
Cobalt	8.09	. 8.09	• 4.09 F	16.5	10.9 F	14.7	8.09 F	8.09 F	8.09 F		8.09
Copper		1140	49 F	21800	125 F	13900	73.5 F	1200 F	38.8 F	6220	38.8
lron	9100		1,26 F	8.13	1.26 F	7.16	1.26 F	. 1.26 F	1.26 F	4.01	1.26
Lead	4.25	1.26	1.26 P	B.13 B090	2740 F	6570	2630 F	1550 F	1100 F	2550	1280
Magnesium	34 8 0 291	1640 19.4	5.65 F	514 J	45 F	402	216 F	54.7 F	32.2 F	120	10.8
Mangenese			0.243 F	0.243	4 0.243 F	0.243	0.243 F	0.243 F	0.243 F	0.243	0.243
Mercury	0.243	• 0.243		34.3	343 F	34.3	343 F	34.3 F	343 F	34.3	34.3
Nickel .	343	343	34.9 F	15100	343 P	6990	9350 F	2170 F	1730 F	2280	913
Potasium	2370	\$140	2690 F				4.6 F	4.6 F	4.6 F	. 4.6	4.6
Silver	4.6	• 4.6	4.6 F	4.6	4.6 F	4 4.5	11000 F	7210 F	6780 F	7460	6790
Sodium	10600	5640	5490 F	14700		12500		• 11 F	11 F	. 11	. 11
Vanadium	11	• 11	• 11 F	28.A	< 11 F	17.7	4 11 F	21.1 F	21.1 F	21.1	
Zinc	21.1	· 21.1	• 21.1 F	59.5	• 21.1 F	39.4	14 21.1 P	· 21.1 r	21.1 8	T- 43	21.1
PAL PESTICIDES/PCBS (pg/L)		· · · · · · · · · · · · · · · · · · ·					r	NA NA	I NA		NA NA
Endria		NA ·	NA NA	NA NA	NA	NA	NA	<u> </u>	<u> </u>	NA	<u></u>
PAL EXPLOSIVES (pg/L)							1 574	NA	NA.	NA NA	NA NA
Nitroglycetia		NA NA	NA NA	NA	NA	NA	NA		<u> </u>	<u> </u>	
PAL SEMIVOLATILE ORGANICS (PH/L)					NA	7.4	I NA	4.8	NA	• 4.8	NA
*Bis (2 - othythesyl) Phtheinto		10	NA	59	NA NA	7.4		• •	NA NA		<u></u>
PAL VOLATILE ORGANICS (pg/L)							NA NA	• 0.5	I NA	• 0.5	NA
1,2 – dichloros thylones (cls And Trans Isomers)		ده ٠	NA	• 05	NA	• 0.5	NA NA	0.54	NA NA	0.84	
nylones .		• 0,84	NA	• 0.84	NA	· 0.84					NA
1,1,2,2 — tetrachloros thans		• 0.51	NA NA	• 021	NA	< 0.51	NA NA	.97 • 0.5	NA NA	5.1 • 0.5	NA NA
Carbon Direifide		• 0.5	NA	• 0.5	NA	• 0.5	NA NA	• 03 • 36	NA NA	0.58	NA NA
Curbon Tetrachloride		• .58	- NA	• .58	NA	58	NA NA	36	NA NA		NA NA
*Chloroform		• 3	NA	٠ ع	NA	• 3		_	NA NA	. 3	NA.
*Methylene Chloride		• 23	NA	. 25	NA	· 25	NA NA	2.3	NA NA	2.3	NA NA
Methyletsyl Ketone / 2 butmone		4 6.4	NA	• 6.4	NA	4 6.4	NA NA	6.4	ľ	6.4	, NA
Tetrachloroethylene / Tetrachloroethene		• 1.6	NA	• 14	NA	• 14	NA.	• 1.6	NA NA	1.6	NA
*Tolume		• 0.5	NA	.52	NA	• 05	NA NA	0.5	NA NA	• 0.5	NA
Benzene		ده ٠	NA	• 0.5	NA	• 0.5	NA	• 0.5	l	• 0.5	NA
Trichloroe thylene / Trichloroe thene		• 5	NA	• 0.5	NA	4 05	NA.	• 0.5	NA.	0.9	NA
2,4,6 — Trinitrotaluene		• 0.63	NA NA	• 0.63	NA	• 0.63	NA NA	• 0.63	NA NA	0.63	NA_
PAL WATER QUALITY PARAMETERS	(PE/L)										· · · · · · · · · · · · · · · · · · ·
alkalialty		32000	NA	61000	NA	43000	NA	33000	NA	25000	NA.
sitrite, Mitrate-non Specific		· 10	NA	· 10	NA	• 10	NA	• 10	NA NA	• 10	NA
niwogen By Kjelishi Method		419	NA	276	NA	305	NA	• 183	NA NA	333	NA.
total Dissolved Solids		NA	NA	NA	NA	NA	, NA	NA	NA	NA NA	NA NA
total Hardams		27000	NA	50400	NA .	35600	NA	24000	NA NA	22600	NA
total Sur 'ad Solids		\$6000	NA.	875000	. MA	360000	NA	169000	l NA	198000	· · · ·

RECORD OF DECISION South Post Impact Area & AOC 41 Groundwater and AOCs 25, 26, & 27

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

	ĺ		ROU	ND S			QUND 6
Sim ID:		41M-94-14X	41M-94-14X	41M-94-14X	41M-94-14X	41M-94-14X	41M-94-14X
Sample Date:	Fort Dovers	12/07/94	12/07/94	12/07/94	12/07/94	03/13/95	02/13/95
Dooth:	Beckground	120,,54		1			
Piold Sample Number:		MX4114X3	MD411470	MX411403	MD411400	MX4114X4	MX4114X4
PAL CATIONS/ANIONS (pg/L)	<u></u>						
Chloride		2740	2740 E	NA E	I NA	· 2120 7	NA.
Phosphate		13.3	133 1		NA	990	NA.
racopeau Sulfate		10000	10000 E		NA	- 10000 1	NA NA
PAL METALS (pg/L)		·	1	1	<u> </u>		
Numinom	6870	• 141	· 141 I	• 141 P	• 141 DF	- 141	• 141
Antimon	3.03	3.03	3.03 E		. 3.03 DF	- 3.03	• 3.03
Arsenic	10.5	2.54		- 254 P	4 2.54 DF	- 2.54	• 254
Berium	39.6	5.76	6.19 I		6.5 DF	. 5	. 5
Beryllium	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. 5	ا ق ا		. 5 DF	. 5	4 5
Caldum	14700	3320	3380 E	-	3390 DF	3220	3240
Chrombus	14.7	6.02	6.02	1	6.02 DF	6.02	• 6.02
Cobalt	25	25	25 1	1	4 25 DF	. 25	25
	8.09	8.09	. 8.09 E		. 8.09 DF	4 8.09	4 8.09
Copper	9100	38.6	38.8		81.7 DF	• 38.8	• 38.8
iron	4.25	1.26	1.26 T	1 '''	• 1.26 DF	- 1.26	• 1.26
Load	3480	500	. 500 I		4 500 DF	4 500	- 500
Magnesium	291	57.9 1			52.5 DF	4.74	4,74
Mangraese	0.243	0.243	0.243		4 0.243 DF	0.243	- 0.243
Mescury	343	343	34.3		34.3 DF	343	34.3
Nidel	2370	726	1150		826 DF		• 375
Potestum	4.6	. 4.6	4.6		4.4 DF		• 4.6
Säver	10600	2050	2130	1	2100 DF		2270
Sodium		. 11	1. 11	1	11 DF		• 11
Vrandium	11	1 213	21.1	1	• • • • • • • • • • • • • • • • • • • •		21.1
Zinc	21.1	* 31.3	1 41.1	4. 41.1	1. 61.1 01		
PAL PESTICIDES/PCES (pg/L)		NA .	l NA	NA.	ŇĀ	NA.	NA.
Endria						· · · · · · · · · · · · · · · · · · ·	
PAL EXPLOSIVES (PG/L)			NA.	NA NA	NA.	NA	NA.
Miroglyceria		NA NA	NA .		1 60	1 10	
PAL SEMIVOLATELE ORGANICS (MAL		: 41	20 T	NA E	NA.	. 44	NA
*Bis (2-ethylberyl) Philinjato	L	1 14	1 20 1	1 10	1	1	<u> </u>
PAL VOLATILE ORGANICS (PEL)		. 0.5	· 0.5 I	NA E	NA	0.5	NA.
1,2-dichlorosthylenes (ds And Trans Isomer)					NA NA	0.84	NA NA
zylones		• 0,84		7	NA NA	31	NA.
1,1,2,2 - tetrachlorosthene		51		NA NA	NA NA	. 05	NA NA
Carbon Disalide		• 0.5		7	NA NA	0.58	NA NA
Carbon Tetraduloride		• 0.58		NA NA	NA NA	0.5	NA NA
*Chloroform		.64	0.5 1		NA NA	23	NA NA
*Methylese Chloride	l	• 23	23 1		NA NA	6.4	NA NA
Methylethyl Ketone / 2 - butanone	1	• 6.4	6.4		****		NA NA
Tetrachicroethylene/Tetrachicroethene	I	• 1.6	1	NA NA	NA.	1.6	NA NA
*Tolume	I	• 0.5		NA NA	NA .	0.3	NA NA
Bengane	l	• 0.5		D NA	NA.	. 03	NA NA
Trickloroethylese / Trickloroethese	l	1.2		D NA	NA.	0.63	NA NA
2,4,6 - Trinitrotoluese	<u> </u>	• 0.63	• 0.63 1	NA NA	NA	V.03	1 10
PAL WATER QUALITY PARAMETERS	(rg/L)	<u> </u>					l NA
alkadied ty		10000		NA NA	NA	8000	NA.
nitrite, Mitrata – non Specific	l	12		D NA	NA	• 10	
nitrogen By Kieklahi Method	(• 185	1	D NA	NA	1430	NA NA
total Dissolved Solids		NA NA	NA NA	NA NA	NA	NA .	NA NA
total Hardests		8.8		D NA	NA	11600	NA
total Suspended Solids	l .	4000	4000	D NA	NA	528000	NA.

